

20011216.qrp v02_n407.qrl.20011216

Date: Sun, 16 Dec 2001 19:03:16 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2407

QRP-L Digest 2407

Topics covered in this issue include:

- 1) [114980] Re: Remove from List
by kb1dxc <kb1dxc@discovernet.net>
- 2) [114981] Re: Remove from List
by "Rob Matherly" <kc0bom@arrl.net>
- 3) [114982] Being the only station from somewhere during sweeps
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
- 4) [114983] [SPICE] Tapped Inductor Simulation Success
by "Brad Hernlem" <alihernlem@hotmail.com>
- 5) [114984] QRP-L number question
by "Ron Kolarik" <rkolarik@neb.rr.com>
- 6) [114985] Re: QRP-L number question
by "Richard Brummer, K2JQ" <k2jq@bestweb.net>
- 7) [114986] For you aol'ers....
by "Rob Matherly" <kc0bom@arrl.net>
- 8) [114987] Re: ARRL 10M Contest is Cooking!
by George Franklin <w0av@juno.com>
- 9) [114988] Re: sort of a dumb question but I have to know
by "Rob Matherly" <kc0bom@arrl.net>
- 10) [114989] Re: Tiny Tornado Mods
by "Brice D. Hornback" <bdh@cyberbound.net>
- 11) [114990] Re: AOL Pop-Up Disable
by NV9Z@aol.com
- 12) [114991] FS..K2 etc. QRP
by N2PTW@cs.com
- 13) [114992] Re:[SPICE] More tapped inductor turmoil
by MertNellis@aol.com
- 14) [114993] Re: Question about multi-layer toroids
by MertNellis@aol.com
- 15) [114994] Re: AOL Pop-Up Disable
by "Rob Matherly" <kc0bom@arrl.net>
- 16) [114995] Re: Delaware and other "rare" states
by "Gary Lee Phillips" <ka9nzi@arrl.net>
- 17) [114996] Re:[SPICE] Tapped inductor simulation success
by MertNellis@aol.com
- 18) [114997] Need More Output
by putska@juno.com
- 19) [114998] possible virus from ARRL

- by "Mike WA8BXN" <hubby2k@hotmail.com>
- 20) [114999] SWL SW+40
by Tony Davee <tonyd@ccsi.com>
- 21) [115000] Re: possible virus from ARRL
by "George, W5YR" <w5yr@att.net>
- 22) [115001] Re: possible virus from ARRL
by "Mike WA8BXN" <hubby2k@hotmail.com>
- 23) [115002] Cross Reference Info
by "Rob Matherly" <kc0bom@arrl.net>
- 24) [115003] RE: possible virus from ARRL
by "Len Revelle" <lennrev@ameritech.net>
- 25) [115004] Re: Delaware and other "rare" states
by Steven Weber <kd1jv@moose.ncia.net>
- 26) [115005] Re:[SPICE] Tapped inductor simulation success
by "Brad Hernlem" <alihernlem@hotmail.com>
- 27) [115006] Re: Delaware
by George Gingell <k3tks@u1.abs.net>
- 28) [115007] 40 is really cuttin' a shine tonight...
by "Bill, N4QA" <n4qa@hotmail.com>
- 29) [115008] Re: AOL Pop-Up Disable
by Pete Burbank <plburbank@kih.net>
- 30) [115009] [Elmer 101] VFO works, but...
by Somerville <somerville@uniserve.com>
- 31) [115010] Snowshow Soapbox
by Roger J Wendell <zeekzilch@juno.com>
- 32) [115011] FINAL LOG FOR VE3FAL
by Fred Lesnick <flesnick@tbaytel.net>
- 33) [115012] 7.10MHz Code?
by ARDUJENSKI@aol.com
- 34) [115013] 3rd Annual QRP Contest Calendar for 2002 Sale
by "Ron Polityka" <wb3aal@fast.net>
- 35) [115014] Re: possible virus from ARRL
by "JOSEPH PIRKLE" <ad4ih@worldnet.att.net>
- 36) [115015] Re: possible virus from ARRL
by "JOSEPH PIRKLE" <ad4ih@worldnet.att.net>
- 37) [115016] Re: possible virus from ARRL
by "Karl F. Larsen" <k5di@zianet.com>
- 38) [115017] [OT] Getting rid of all ads Re: AOL Pop-Up Disable
by Alex <kr1st@amsat.org>
- 39) [115018] Re: Delaware and other "rare" states
by Larry Cahoon <lejek@erols.com>
- 40) [115019] WAS
by W2AGN <w2agn@pobox.com>
- 41) [115020] Re: possible virus from ARRL
by Paul Womble <pwomble1@tampabay.rr.com>
- 42) [115021] Re: possible virus from ARRL
by Bruce Muscolino <w6toy@erols.com>
- 43) [115022] Re: [Elmer 101] VFO works, but...

- by mikemo@attglobal.net
- 44) [115023] Re: [SPICE] Tapped Air Inductors
by "Brad Hernlem" <alihernlem@hotmail.com>
- 45) [115024] Re: possible virus from ARRL
by "Rod N0RC" <rod@n0rc.com>
- 46) [115025] Re: Delaware
by "E. Roswell" <eroswell@monmouth.com>
- 47) [115026] Delaware qrPedition
by Paul Womble <pwomble1@tampabay.rr.com>
- 48) [115027] LinPsk
by neil tanner <wa4chq@qsl.net>
- 49) [115028] Re: [OT] Getting rid of all ads Re: AOL Pop-Up Disable
by Pete Burbank <plburbank@kih.net>
- 50) [115029] FS: DSW40 w/5-pole xtal filter
by "Steve/n0tu" <n0tu@qsl.net>
- 51) [115030] NEQRP NOISE BRIDGE: 1st batch shipped.
by "ss lyon" <sslyon@megalink.net>
- 52) [115031] MFJ-9040 SOLD
by NV9Z@aol.com
- 53) [115032] Re: possible virus from ARRL
by Bruce Muscolino <w6toy@erols.com>
- 54) [115033] Re: [SPICE] Tapped Air Inductors
by David Hinerman <wd8civ@worldnet.att.net>
- 55) [115034] Re: DSW40 w/5-pole xtal filter
by "Steve/n0tu" <n0tu@qsl.net>
- 56) [115035] OT - Sorry but I NEED HELP
by "Mike Standbridge" <ve7mst@goldcity.net>
- 57) [115036] Argonaut 509 with 405 amp
by "Dean LaClair" <nr2v@northnet.org>
- 58) [115037] Making PCBs at home
by "Leon Heller" <leon_heller@hotmail.com>
- 59) [115038] Re: OT - Sorry but I NEED HELP
by n2go@arrl.net
- 60) [115039] Re: possible virus from ARRL
by Dave Gingrich K9DC <gingrich2@dcg.org>
- 61) [115040] Re: Making PCBs at home
by "Rob Matherly" <kc0bom@arrl.net>
- 62) [115041] Re: possible virus from ARRL
by "Rod N0RC" <rod@n0rc.com>
- 63) [115042] RE: Tiny Tornado Mods
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
- 64) [115043] FOX: N4DD Final Fox Log
by "Dennis Brickey" <n4dd@preferred.com>
- 65) [115044] Nostalgia radio & spare parts
by nilsbull@juno.com
- 66) [115045] Delaware on HF now!
by "Jimmy" <ke4bf@hiwaay.net>
- 67) [115046] Re: OT - Sorry but I NEED HELP

by David Gilson <kd3em@velocity.net>
68) [115047] K-1 Tuning knob
by "Vincent A. Santis" <vsantis@javanet.com>
69) [115048] Interference???
by <jfox6@houston.rr.com>
70) [115049] Re: Making PCBs at home
by "Leon Heller" <leon_heller@hotmail.com>
71) [115050] Re: Making PCBs at home
by Steven Weber <kd1jv@moose.ncia.net>
72) [115051] Re: Making PCBs at home
by John Seboldt K0JD <k0jd-1@seboldt.net>
73) [115052] Re: Subscribing, unsubscribing, and email in general
by John Seboldt K0JD <k0jd-1@seboldt.net>
74) [115053] Re: K-1 Tuning knob
by "Rod N0RC" <rod@n0rc.com>
75) [115054] Re: K-1 Tuning knob
by "ZOOM" <kandrparker@sympatico.ca>
76) [115055] Re: Subscribing, unsubscribing, and email in general
by "Rod N0RC" <rod@n0rc.com>
77) [115056] Re: Making PCBs at home
by "Rob Matherly" <kc0bom@arrl.net>
78) [115057] Needed: some DCC wire
by "AI2Q Alex" <ai2q@adelphia.net>
79) [115058] NTE238
by "Rob Matherly" <kc0bom@arrl.net>
80) [115059] re: FS K2 etc..more
by N2PTW@cs.com
81) [115060] Re: NTE238
by Paul Womble <pwomble1@tampabay.rr.com>
82) [115061] Delaware on 28.540 at 2225z
by "Jimmy" <ke4bf@hiwaay.net>
83) [115062] Re: NTE238
by "Rob Matherly" <kc0bom@arrl.net>
84) [115063] Re: NTE238
by Bob Liesenfeld <wb0poq@visi.com>
85) [115064] Re: NTE238
by "Rob Matherly" <kc0bom@arrl.net>
86) [115065] FOX: N0IT YOUR CUB FOX 12/18 ... HAVE AT HIM
by Dave Sjolín <sjolin@swbell.net>

Date: Sat, 15 Dec 2001 19:07:57 -0500
From: kb1dxc <kb1dxc@discovernet.net>
To: qrp-1@Lehigh.EDU
Subject: [114980] Re: Remove from List
Message-ID: <a05100300b84195e51d9c@[216.221.131.44]>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii" ; format="flowed"

I am getting tired of this particular thread. If you want to get rid of the emails coming from a defunct address, just go into your settings of your email program and temporarily change your return email address and send off the cancel email, then change your return address back to what it should be. This should work without any trouble at all.

Mike
KB1DXC

>Chris, I had the same problem for about three months and finally resorted to
>faking up the old account, making it active for the one important
>UNSUBSCRIBE message and then deleting the fake account.

>

>Bill

>

>-----Original Message-----

>From: Chris Trask <ctrask@primenet.com>

>To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

>Date: Saturday, December 15, 2001 6:27 AM

>Subject: Re: Remove from List

>

>

>>

>> You are not alone in your frustration in trying to contact the
>>list owner and/or manager. I have been trying to contact him so as to get
>>my earlier subscription cancelled. QWest got out of the ISP business, and
>>before I was able to finish transferring all of my maillist subscriptions,
>>the migration to MSN was concluded and the QWest account was closed. Now,
>>I get the QRP-L postings almost one day late, and they are a forwarded
>>attachment.

>>

>> The list server does not allow you to unsubscribe from any address
>>other than the one that your subscription goes to. So, I am stuck with
>>this mess until such time at the list manager/owner reads his email and
>>presses the appropriate key(s).

>>

>>Chris

>>

>>

>>>

>>> ----- Original Message -----

>>> From: "OJ Loughheed" <ojl@nerpa.net>

>>> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

>>> Sent: Friday, December 14, 2001 4:28 PM

>>> Subject: Remove from List

```

>>>
>>>
>>> > Several e-mails to the list manager have accomplished nothing. I'm
>>> > leaving town for a month (with no net access) and I don't need my
>>> > mailbox CRAMMED with this list... as much as I like it.
>>> >
>>> > Would someone PLEASE e-mail me direct with instructions, which I
>>> > can't seem to find... Just in the next hour, so I don't get more
>>> > e-mail that the lists themselves.
>>> >
>>> > Thx, 73, O.J. Loughheed
>>> >
>>>
>>

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>>      ,-----
>>      /   What's all this   \
>>      / extinct stuff, anyhow? \
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High Performance Mixers and
Amplifiers for RF Communications

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

```

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Date: Sat, 15 Dec 2001 18:18:43 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: <kb1dxc@discovernet.net>,
    "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [114981] Re: Remove from List

```

Message-ID: <020901c185c7\$3d58cb20\$a511a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well then you can delete the messages with this subject while the guy tries to get his problem solved can't you? That should be pretty trouble free too....

72/73/oo
Rob, kc0bom
ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

Visit my website! <http://www.qsl.net/kc0bom/hamradio>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

----- Original Message -----
From: kb1dxc <kb1dxc@discovernet.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Saturday, December 15, 2001 6:07 PM
Subject: Re: Remove from List

I am getting tired of this particular thread. If you want to get rid of the emails coming from a defunct address, just go into your settings of your email program and temporarily change your return email address and send off the cancel email, then change your return address back to what it should be. This should work without any trouble at all.

Mike
KB1DXC

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>faking up the old account, making it active for the one important
>UNSUBSCRIBE message and then deleting the fake account.

>
>Bill
>

>-----Original Message-----
>From: Chris Trask <ctrask@primenet.com>
>To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
>Date: Saturday, December 15, 2001 6:27 AM
>Subject: Re: Remove from List

```

>
>
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>> You are not alone in your frustration in trying to contact the
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get
>>my earlier subscription cancelled. QWest got out of the ISP business, and
>>before I was able to finish transferring all of my maillist
subscriptions,
>>the migration to MSN was concluded and the QWest account was closed.
Now,
>>I get the QRP-L postings almost one day late, and they are a forwarded
>>attachment.
>>
>> The list server does not allow you to unsubscribe from any address
>>other than the one that your subscription goes to. So, I am stuck with
>>this mess until such time at the list manager/owner reads his email and
>>presses the appropriate key(s).
>>
>>Chris
>>
>>
>>>
>>> ----- Original Message -----
>>> From: "OJ Lougheed" <ojl@nerpa.net>
>>> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>>> Sent: Friday, December 14, 2001 4:28 PM
>>> Subject: Remove from List
>>>
>>>
>>> > Several e-mails to the list manager have accomplished nothing. I'm
>>> > leaving town for a month (with no net access) and I don't need my
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>>> >
>>> > Thx, 73, O.J. Lougheed
>>> >
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>> /-----\
>> / What's all this \
>> / extinct stuff, anyhow? /
>> \-----'
>> _|/
>> oo\

```

High Performance Mixers and
Amplifiers for RF Communications

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research

participating (and we know who that was).

--

Scott Rosenfeld ARS N7JI
541-684-9970 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Sun, 16 Dec 2001 00:31:08
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [114983] [SPICE] Tapped Inductor Simulation Success
Message-ID: <F121a6T3qtSNGcVqLqb0000553b@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

OK, more about tapped inductors ...

As Leon pointed out, when two coils exist in proximity with identical phasing (wound in same direction) the overall inductance is expressed as:

$$L = L1 + L2 + 2M$$

where M is the mutual inductance.

In SPICE, the mutual inductance term is not used directly. Instead, one specifies the coupling coefficient, K, which is related to M by the equation:

$$K = M / \text{SQRT} (L1 * L2)$$

As I noted in one of my previous posts, I was unable to adequately model the resonance of my regenerative receiver tuning coil when I calculated the inductance of the tapped portions of the full coil using the standard formulas. I could not find a suitable means to assign an inductance to the coil portions even though I found the standard formulas to be useful and reliable for estimating the inductance of an entire coil.

So I set off in a different direction.

Based on the assumption that the inductance of a coil is proportional to the square of the number of turns,

I postulated that the ratio of inductance between a portion of a coil and the coil's overall inductance must be equal to the square of the fraction, x , of the overall turns:

$$L1 = x^2 * L$$

where L is the overall coil inductance and $L1$ is the inductance of a portion, x , of the overall coil such that $x=n1/n$.

I have found that the formula $L=(r^2)(n^2)/(9r+10l)$ from the ARRL Handbook gives a good estimate for the overall coil inductance, so for my coil which is 35 turns long, tapped at 10 turns, wound on a .3" radius form and 1.5" long is approximately 6.23 uH.

Using the same formula for the subcoils gave values of 1.17 uH and 4.43 uH below and above the tap points, respectively, but these values yielded poor results in SPICE. Instead, using the arguments set forth above, I tried assigning values based on $x=10/35=0.286$. In that case:

$$L1 = 0.51 \text{ uH}$$

$$L2 = 3.19 \text{ uH}$$

which are quite different than with the previous approach. Furthermore, one can calculate that K must be equal to 1 using this approach (it is left to the reader to solve this problem from the above formulas).

Getting back to SPICE I was able to much more closely simulate my receiver tuning range using these values of $L1$ and $L2$ and assigning $K = 1$. Nonetheless, the resonance point was very sensitive to the value of capacitance chosen for the capacitor shunting the top of the coil to ground. I had to increase the value in the simulation above that used in the actual receiver to get the tuning ranges to agree. But, probably, the actual receiver coil and associated wiring has sufficient stray capacitance to account for the difference.

I recommend, therefore, if someone chooses to use SPICE to simulate tapped resonant air inductors:

- 1) Determine the overall coil inductance by formula or by measurement.
- 2) Assign values for the portions of the coil resulting from tap points by multiplying the overall coil inductance

by the square of the fraction of turns between each tap point (or the ends).

3) Assign coupling coefficient values to ideality (1 or 0.9999 if your SPICE software chokes on 1).

Now if some EE who knows the details of SPICE could tell me, is this approach accurate? It seems to work for me.

Brad KG6IOE

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Sat, 15 Dec 2001 18:33:39 -0600
From: "Ron Kolarik" <rkolarik@neb.rr.com>
To: <qrp-l@lehigh.edu>
Subject: [114984] QRP-L number question
Message-ID: <006101c185c9\$5617b700\$6401a8c0@ron>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I changed my call sign and would like to keep my old number.
Who might be the official keeper of the number list?

Thanks
Ron K0IDT

Date: Sat, 15 Dec 2001 19:57:49 -0500
From: "Richard Brummer, K2JQ" <k2jq@bestweb.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [114985] Re: QRP-L number question
Message-ID: <01ad01c185cc\$af9fe9c0\$af05b3d8@obvious>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Your QRP-L number remains with you, and does not change, even through
callsign changes.

The keeper of the QRP-L number list is also the aforementioned QRP-L list
manager.

73,

Dick K2JQ

-----Original Message-----

From: Ron Kolarik <rkolarik@neb.rr.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Date: Saturday, December 15, 2001 7:35 PM

Subject: QRP-L number question

>I changed my call sign and would like to keep my old number.

>Who might be the official keeper of the number list?

>

>Thanks

>Ron K0IDT

Date: Sat, 15 Dec 2001 19:36:12 -0600

From: "Rob Matherly" <kc0bom@arrl.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
"SOC List" <soc@qth.net>, "Flying Pigs" <fpqrp-l@mpna.com>

Subject: [114986] For you aol'ers....

Message-ID: <022a01c185d2\$0e67e200\$a511a541@intern01>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I thought some of you out there unfortunate enough to be using AOL might
appreciate this tidbit from a recent Tech TV newsletter :^D

<---

KILL AOL ADS

Disable pop-up ads in America Online.

<http://tm0.com/sbct.cgi?s=248807537&i=433508&d=2125502>

--->

72/73/oo

Rob, kc0bom

ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPP-I #19

Visit my website! <http://www.qsl.net/kc0bom/hamradio>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

Date: Sat, 15 Dec 2001 19:48:57 -0600

From: George Franklin <w0av@juno.com>

To: msadams@acsu.buffalo.edu

Cc: qrp-1@Lehigh.EDU

Subject: [114987] Re: ARRL 10M Contest is Cooking!

Message-ID: <20011215.194858.-1699985.0.w0av@juno.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi Gang,

Yep, 10M is really great!

Was in my mobile today with no antenna plugged into the mobile mount and copied signals from DX and USA on the TS50 very well.

Didn't attempt to work anyone from the mobile, for obvious reasons.

Worked about 85 stations QRP with a sloper from home station, including ZL, etc. so band is definitely in good shape.

FWIW

72 de George/W0AV

Date: Sat, 15 Dec 2001 19:51:07 -0600

From: "Rob Matherly" <kc0bom@arrl.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [114988] Re: sort of a dumb question but I have to know

Message-ID: <026501c185d4\$22451c00\$a511a541@intern01>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all who answered my question about the coax and the coffee can!
Probably be a good idea to put one on my inverted vee system that's just
wires soldered to bare coax :^)

72/73/oo
Rob, kc0bom
ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPP-I #19

Visit my website! <http://www.qsl.net/kc0bom/hamradio>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

Date: Sat, 15 Dec 2001 21:15:12 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: <wsholloway1@yahoo.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [114989] Re: Tiny Tornado Mods
Message-ID: <00a101c185d7\$7eb77660\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Steve,

I've also increased power by simply putting two 2N2222's in parallel for the
PA. It doesn't double the output power... but does increase it quite a bit.
I've gotten around 800mA out on 40m with that. Yes, unless the two
transistors are perfectly matched, one can draw more power than the other
and cause them to burn up... but hey... they are only 2N2222's and can be
replaced easily.

Thanks for the info on the VX0.

73/72/71! de Brice KA8MAV

----- Original Message -----

From: "Steve Holloway" <wsholloway1@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, December 15, 2001 6:36 PM
Subject: Tiny Tornado Mods

> I've been playing with the TT (Tiny-Tornado) and decided to see if I
> could increase the range of the VX0 . I replaced C14
> with a 5-50 pf variable, cut the trace from the
> crystal to C14 and added a 33 uh inductor between the
> crystal and C14 . The original range with a 7.040
> xtal was 7.039.7-7.042.9. The new range is
> 7.032.9-7.042.9.
> With the 3 crystals I tried 7.040,7.110,and 7.122 I
> got 30 kc's total coverage. Could add another small
> board with crystal sockets and a switch for easy
> crystal swithchig
> Power out can be increased a little by replacing Q2
> with a 2n4401.
> This kit has proven to be first class. The board is
> well made and tough enough to remove and replace parts
> without lifting the traces. The manual is well
> written
> such that a beginning kit builder would have no
> trouble. The receiver hears well but is not very
> selective which is to be expected with such a simple
> circuit.
> Overall it is a fun project and fun to operate.
> 72/73
> Steve KE4JZG
>
>
> -----
> Do You Yahoo!?
> Check out Yahoo! Shopping and Yahoo! Auctions for all of
> your unique holiday gifts! Buy at <http://shopping.yahoo.com>
> or bid at <http://auctions.yahoo.com>
>

Date: Sat, 15 Dec 2001 21:23:03 EST
From: NV9Z@aol.com
To: qrp-1@lehigh.edu
Subject: [114990] Re: AOL Pop-Up Disable
Message-ID: <a9.20232aa8.294d5f87@aol.com>
MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

THANK YOU!!!!!!!!!!!!!! I always hated those infernal things!

73/72 de Chris Blaase NV9Z QRP-L #2370

Date: Sat, 15 Dec 2001 21:30:58 EST
From: N2PTW@cs.com
To: qrp-l@lehigh.edu
Subject: [114991] FS..K2 etc. QRP
Message-ID: <14e.5d075ec.294d6162@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hello;

I would like to sell the following QRP stuff. I will pay shipping on all and it is in fine condition.

Elecraft K2 transceiver with SSB and NB . .Very nice condition with manual.

\$450 shipped

Oak Hills WM-2 WattMeter perfect w/manual... \$70 shipped

MFJ CUB 9030 30 meters perfect \$65
shipped

Thank You Joyce N2PTW
Please Email Direct

Date: Sat, 15 Dec 2001 21:38:55 EST
From: MertNellis@aol.com
To: qrp-l@lehigh.edu
Subject: [114992] Re:[SPICE] More tapped inductor turmoil
Message-ID: <135.64611fd.294d633f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi guys,

I was about to weigh in on this thread about tapped inductors when Leon hit the nail on the head with the following:

>Something else just struck me. Air-cored coils have a low coupling
>coefficient and mutual inductance. The values are roughly OK with $K = 0.2$ or
>so. This bears out my theory about the coils influencing each other's
>inductance.

This is exactly what I was about to interject. The mutual inductance between the parts of the coil must be taken into account. I agree that the coefficient of coupling for a tapped coil wound as a single layer solenoid on air is small. The $k=0.2$ sounds resonable. I did some experimenting last summer with coupled air wound coils and could get close to $k=0.8$ with equal turn coils coupled one directly over the other. I was testing small coils made by winding one on an empty 12 Ga shotgun shell and the other on a 20 Ga shell (as coil forms), about 10 turns each. I was attempting to get as much coupling as possible to make a variable inductor by sliding them together connected in series to get $L = L_1 + L_2 \pm 2M$. Where M is the mutual given by formula as $M = K \sqrt{L_1 L_2}$. M may be + or -, of course, depending on aiding or bucking windings. One interesting case is that for $L_1 = L_2$, if $K=1$ and bucking the total inductance goes to zero. Ever connect a dual primary power transformer to the line with the coils bucking?

Anyway, to model the tapped coil, I would think that $L_1 + L_2 \pm 2M$ would be the way to go and possibly the $k=0.2$ is close.

Have Fun! Mert WOUFO MNQRP

Date: Sat, 15 Dec 2001 21:56:48 EST
From: MertNellis@aol.com
To: qrp-1@lehigh.edu
Subject: [114993] Re: Question about multi-layer toroids
Message-ID: <3c.1638a311.294d6770@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Again I find myself in the wake of Leon Heller when he says

>It's primarily because of 'Q' - the more turns the lower the Q (more
>resistance). It also increases the self-capacitance of the coil - the
>capacitance between turns increases as they get closer together.

But also, for the frequencies above where the self-capacitance causes resonance to occur, the component is no longer an inductor. Leaving around 30 deg. between the start and finish of a single layer winding tends to reduce the capacitance across the winding that will determine the highest useable frequency for the inductor.

Hope this helps some too. Mert WOUFO

Date: Sat, 15 Dec 2001 20:59:06 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: <NV9Z@aol.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [114994] Re: AOL Pop-Up Disable
Message-ID: <028b01c185dd\$a3cbe5c0\$a511a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

They've got a lot of neato stuff like that on Tech TV. They put out a newsletter each week with the best of them. Even if you don't watch the channel or don't have it, you can sign up for the newsletter and get the gist of all of it at <http://www.techtv.com> :^)

72/73/oo

Rob, kc0bom

ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

Visit my website! <http://www.qsl.net/kc0bom/hamradio>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

----- Original Message -----

From: <NV9Z@aol.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Saturday, December 15, 2001 8:23 PM
Subject: Re: AOL Pop-Up Disable

THANK YOU!!!!!!!!!!!!!! I always hated those infernal things!

73/72 de Chris Blaase NV9Z QRP-L #2370

Date: Sat, 15 Dec 2001 21:04:38 -0600
From: "Gary Lee Phillips" <ka9nzi@arrl.net>
To: qrp-l@lehigh.edu
Subject: [114995] Re: Delaware and other "rare" states
Message-ID: <E16FRaL-0003xa-00@tisch.mail.mindspring.net>

Yup, DE is on my list, and SC is the other. On the other hand, you

may find it amusing to learn that state number 48 in my attempt to reach WAS after moving to my current QTH was none other than New York! I jumped on W2s for months and all of 'em were in NJ.

Your own QTH obviously has a lot to do with which state you think is rare. KS, NE, ND, SD are no great shakes from here in the midwest. In fact, I think my very first novice QSO years ago was with NE on 40 m.

ND is fairly easy for QRP-L folks, since K0EVZ has been a fox many times, and I can vouch for the fact that he QSLs upon request (Thanks, Doc!) He has a !BIG! signal, too.

How about a DE fox? Or one from VT, SC, WY or other states folks are requesting?

Delaware has a QSO party once a year, but I tried that and found no CW stations, only SSB. Since I never work SSB and want my WAS endorsed for CW, no help there.

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

Date: Sat, 15 Dec 2001 22:16:40 EST
From: MertNellis@aol.com
To: qrp-l@lehigh.edu
Subject: [114996] Re:[SPICE] Tapped inductor simulation success
Message-ID: <d.1f1b9a02.294d6c18@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I don't think that the "proportional to turns squared calculation works" unless the coupling of turns is at $K=1$ (or close to that). An air wound solenoid is not near that good a K. The turns squared calc. is used for toroidal and other iron core transformers where the $K=1$.

Am I right on this?

I think the inductance of each part of the tapped coil must be calculated and then a reasonable K used to get the mutual per your formulas...or, I guess, Spice calculates it from $M=K\sqrt{L1\cdot L2}$.

Mert W0UFO

Date: Sat, 15 Dec 2001 22:54:18 -0500

From: putska@juno.com
To: qrp-L@Lehigh.EDU
Subject: [114997] Need More Output
Message-ID: <20011215.225420.-141217.3.putska@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Well , I'm getting 15 volts peak to peak at the output that should be about .500 milliwatts . The input on the final transistor (MRF476) is 2.5 volts peak to peak , not near enough to turn this thing on in class C . Driver is AB1 (2N5109) with 125 millivolts peak to peak (driver has a 47 ohm resistor on the emitter) ? The transmit mixer (NE602) has .300 millivolts to pin 1 from osc. ? Don't know if there should be what where to make 5 watts output ? Maybe there is someone familiar with this power chain . GARY KB2PQE

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<http://dl.www.juno.com/get/web/>.

Date: Sun, 16 Dec 2001 04:07:05
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [114998] possible virus from ARRL
Message-ID: <F170YY61LEdyt3cew8k00005767@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I just got a msg titled "Bruce Richardson July 19, 1999 Bergen Acceptance. " from the ARRL letter mailing address that looks like it may contain a virus. Be careful! I'm not about to decode the attached batch file.

73/72 - Mike WA8BXN

PS: Snowshoe contest worked 7 stations 5 states

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>.

Date: Sat, 15 Dec 2001 22:07:14 -0600
From: Tony Davee <tonyd@ccsi.com>
To: qrp-l@Lehigh.EDU
Subject: [114999] SWL SW+40
Message-ID: <5.1.0.14.0.20011215220416.029f74c0@ccsi.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I contacted Dave Benson to see if he had a color head on view of the component side of a completed SW+40 board. His camera would not focus properly so he suggested this list. If you have a digital photo of the completed board from a head on view, please forward me a shot of it.
Thanks, 73 de KM5JH

Date: Sat, 15 Dec 2001 22:11:45 -0600
From: "George, W5YR" <w5yr@att.net>
To: hubby2k@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115000] Re: possible virus from ARRL
Message-ID: <3C1C1F01.3B4A275D@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I virus checked that particular piece of email and Norton gave it a clean bill of health. Nonetheless, I forwarded the whole thing back to ARRL with a question as to why they were sending out such trash. Norton also virus-checked the forwarded email back to ARRL and again found no virus.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

Mike WA8BXN wrote:

>
> I just got a msg titled "Bruce Richardson July 19, 1999 Bergen Acceptance. "
> from the ARRL letter mailing address that looks like it may contain a virus.
> Be careful! I'm not about to decode the attached batch file.

Date: Sun, 16 Dec 2001 04:21:52
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: w5yr@att.net
Cc: qrp-1@Lehigh.EDU
Subject: [115001] Re: possible virus from ARRL
Message-ID: <F75kKg2E0nb8UttGTI9000057bc@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

The attachment did not decode/get recognized as an attachment by hotmail so a virus checker might not have caught it either. Any .bat file as an attachment is suspect, and that was a big .bat file. Other mail programs may be able to decode it so care may still be wise in doing anything with it. Will be interesting to see if the ARRL has anything to say about it.

73/72 - Mike WA8BXN

>I virus checked that particular piece of email and Norton gave it a clean
>bill of health. Nonetheless, I forwarded the whole thing back to ARRL

MSN Photos is the easiest way to share and print your photos:
<http://photos.msn.com/support/worldwide.aspx>

Date: Sat, 15 Dec 2001 22:45:42 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: "Flying Pigs" <fpqrp-1@mpna.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115002] Cross Reference Info
Message-ID: <02db01c185ec\$867b7b20\$a511a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone have any info for a Sanken STD580? I yanked it out of a TV and don't know what it's for :^) Searched the Sanken site, they don't show anything.

72/73/oo

Rob, kc0bom

ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

Visit my website! <http://www.qsl.net/kc0bom/hamradio>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

Date: Sat, 15 Dec 2001 23:04:49 -0600

From: "Len Revelle" <lenrev@ameritech.net>

To: <w5yr@att.net>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [115003] RE: possible virus from ARRL

Message-ID: <JDEJKNHICDBPHBFOCEJMCEFDDDBAA.lenrev@ameritech.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="US-ASCII"

Content-Transfer-Encoding: 7bit

I have found ARRL less than stellar in dealing with eGarbage they either originate or forward. I got consistant spam addressed to xxxxxx@arrl.net. The xxxxx part was alphanumerically sequential in the headers showing multiple addressees at arrl.net. Some were not valid callsign combinations and would have caused return error messages to the sender. Complaints to the league resulted in, "Not our problem....," type of responses. That particular spam stopped when I set my forwarding OFF and returned as soon as I restarted it.

Len Revelle N9IJ

AMA 60055 LSF 7492

QRP-ARCI#10923 QRP-L#2353

ARS#1099 Live Wire#529

lenrev@ameritech.net

<http://www.geocities.com/bryrev>

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of George, W5YR

Sent: Saturday, December 15, 2001 10:12 PM

To: Low Power Amateur Radio Discussion

Subject: Re: possible virus from ARRL

I forwarded the whole thing back to ARRL with a question as to why they were sending out such trash. Norton also virus-checked the forwarded email back to ARRL and again found no virus.

Date: Sat, 15 Dec 2001 23:46:32 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [115004] Re: Delaware and other "rare" states
Message-ID: <3.0.6.32.20011215234632.007a7930@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>
>Your own QTH obviously has a lot to do with which state you think
>is rare. KS, NE, ND, SD are no great shakes from here in the
>-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>

I've often though it would be interesting to find the number of WAS awards per state and then corrilate that to the percentage of hams in that state. (Obviously, a state with a lot of hams, should have a greater number of WAS awards) This would show what the best state to live in, to have the best chance of getting WAS. (Maybe do this per band also) I'm willing to bet those that live in the midwest have the largest percentage of WAS awards, based on thier percentage of the overall ham population.

72,
Steve, KD1JV
"Melt Solder"
White Mountians of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Sun, 16 Dec 2001 05:31:39
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Cc: MertNellis@aol.com
Subject: [115005] Re:[SPICE] Tapped inductor simulation success
Message-ID: <F55uIU1Gj03oHMwVN7m00005855@hotmail.com>
Mime-Version: 1.0

Content-Type: text/plain; format=flowed

Well, if you are correct then it is a hopeless exercise. I DID do the calculations on the separate coil sections and got inductances that would not even, when placed in series, resonate against a fixed capacitance in similar fashion to the whole unless I tweaked the simulation to some arbitrary K (which DID fall into the range of possibilities for air core coils, BTW 0.14).

But when I used that value of K and the pair of inductance values determined by formula, the simulation of my regen tuning circuit gave a tuning range that was far too wide compared with the real device.

On the other hand, using the turns proportion squared method I was able to get a simulation that was close enough to reality to be plausibly "correct".

The formulas for air coils assume no interaction with other inductors so I would imagine that they SHOULD fail when trying to determine fractional inductances of tapped coils. The method that I have stated may not be correct but it appears to "work" and is at least founded in principle. I agree that K near 1 using air coils is unrealistic.

Brad

I don't think that the "proportional to turns squared calculation works" unless the coupling of turns is at $K=1$ (or close to that). An air wound solenoid is not near that good a K. The turns squared calc. is used for toroidal and other iron core transformers where the $K=1$.

Am I right on this?

I think the inductance of each part of the tapped coil must be calculated and

then a reasonable K used to get the mutual per your formulas...or, I guess, Spice calculates it from $M=K*\text{sqr}(L1*L2)$.

Mert WOUFO

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>.

Date: Sun, 16 Dec 2001 01:21:21 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>

To: QRP List <qrp-l@Lehigh.EDU>
Subject: [115006] Re: Delaware
Message-ID: <20011216004513.T42157-1000000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Yes, Virginia there is a Delaware. Don't you remember your History Class?

George Washington Tossed a Silver Dollar Across the Delaware. Hmmm, I always wondered where that might have been. It Sure Was not at Lewes, DEL. It is 17 Miles Across to Cape May, NJ from There. Until the last few years, the Wife and I Vacationed at Wildwood, NJ or Cape May Every Summer. The Ferry Boat Ride is a Must, especially if you have young Children. The only trouble is that the XYL would not let me Play Radio on Vacation. :^{ Maybe that is true with a lot more of us from MD, PA, NY & NJ.. :^}

I always wondered if anyone really lived there full time. They were famous for Corporate Entities. You can even INK Yourself via email and Credit Card in DEL.

They also have Racing, Slot Machines, and No Sales Tax.

I can not verify that Ham Radio Outlet. I heard it was just off the Interstate, but I don't recall if i ever actually found it or not. If I did, it was closed by the time that I got there. :^}

We did have a Short Maryland Milliwatt Expedition to Delaware several years ago.

I see that another Marylander (and Qrper) (Joe K3CHP) is planning to move to DEL.

Heck, I always thought DE was a piece of Cake compared to WY, AK, and HI.

I had to take a half day off work to get HI. :^} I worked him from the Club Station at Work with a Logperodic 30 feet above the 18 Story DHHS/FDA Building in Rockville, MD. Funny how that can Nausua and Stomach Cramps :^} The only cure is to work him again with QRPp on a Wire Loop at 50 feet. Then of course the wait for the QSL. :^}

I must agree that Contests are helpful to get some of the more rare states. OTOH, If you never hear them you will never work them.

Also Weather can play a big role in some cases. I am sure you have heard that the best Wire Antennas are those which are installed during Storms,Blizzards, etc. Those same conditions are the ones that will keep

the guys and gals in the Cabin in WY & AK. If the Antenna Survives, they will be on the air, if not forget it. No one Sane works on Anything Outdoors when it gets -50 or below Wind or NO.

I was just thinking, If I lived in AK, I would have several Buried Coax Feeds and Radials installedd around the property, With Pipes in the Ground to accept a Fishin pole Vertical. Just run out pop it in the Ground and plug it into the Quick Connect. BINGO, On the Air AGAIN. Verticals Survive the Ice Better than Big Loops.

Yes, I spent Two Winters in ALASKA. One up the Creek:^} River Actually, The Unalakleet on the Norton Sound. Had one heck of a Marshmello roast one year. The Trading Post Burnt to the Ground. Them Oil Drums didn;t help any either. By the time our One Fire Truck Got Down there, It was looking like Mushroom Clouds Wood, Oil, Rubber Tires, etc.

Once tossed a Shot Glass of Good Whisky out the Door and saw it hit the ground as ice Crystals. Who said they were not watering down the drinks :^}

Ah, to be young and foolish again... :^}

Sir George, The First :^}

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems
Commercial Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Sun, 16 Dec 2001 01:24:31 -0500
From: "Bill, N4QA" <n4qa@hotmail.com>

To: qrp-1@lehigh.edu
Subject: [115007] 40 is really cuttin' a shine tonight...
Message-ID: <F15KpRcTCi90gP8yJrN000043bc@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hi from the New River Valley of Virginia, y'all.

Some nights are just better than others...kwim?

Worked Merida, Yucatan (XE3) on 7040 (3520 xtal) using the Meissner Signal Shifter EX (5 watts)/ Drake 2-C, 2-BQ combo.

Then, worked Calgary, AB (VE6) on 7039 using the DSW-40 (1watt).

Even worked WN8FTC (now, there's a blast from the past) in Saint Paris, Ohio :)

All using the 17-gauge solid aluminum, 80-m-long end-fed wire with Heathkit QRP tuner atop the fencepost.

Vintage gear on one desk...newer stuff on another...

Mostly CW-only sigs on the band tonight...and lots of 'em...FB !

Draggin' out the Lionel J-38 for Straight Key Night...should be some fun this year.

73 and see you out there...

Bill, N4QA

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<http://photos.msn.com/support/worldwide.aspx>

Date: Sun, 16 Dec 2001 01:42:40 -0500
From: Pete Burbank <plburbank@kih.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115008] Re: AOL Pop-Up Disable
Message-ID: <5.0.2.1.0.20011216013501.00ab1290@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:23 PM 12/15/2001 -0500, NV9Z@aol.com wrote:
>THANK YOU!!!!!!!!!!!!!! I always hated those infernal things!
>
>73/72 de Chris Blaase NV9Z QRP-L #2370

Is there any way to do this when using Netscape?
The ads always pop up when my primitive typing skills are trying to do a
search on Google
and I have to peck it in all over
again.
Pete NV4V

Date: Sat, 15 Dec 2001 23:06:20 -0500
From: Somerville <somerville@uniserve.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [115009] [Elmer 101] VFO works, but...
Message-ID: <3C1C1DBB.EC6D1469@uniserve.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

My VFO puts out 5.190 MHz, is this within the expected range?. I
calculated the inductance of L1 as 1.587 micro Henrys and I calculated
that the capacitance required for resonance at 5 MHz would be 63.9 pF
but that doesn't look right on viewing the schematic. Did I goof in my
calculations?

According to the equation $L = (A \times N^2) / 100000$, the inductance of a toroid
is independent of wire size, (of course if you used a wire too big to fit
through the torus the inductance would be zero). If this is true, why
is wire size generally specified for toroids?

Regards John/VE7CFG

Date: Sun, 16 Dec 2001 00:33:42 -0700
From: Roger J Wendell <zeekzilch@juno.com>
To: cqcllist@yahoogroups.com, qrp-l@Lehigh.EDU
Subject: [115010] Snowshow Soapbox
Message-ID: <20011216.003407.-425865.0.zeekzilch@juno.com>
MIME-Version: 1.0

Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Gang;

I'll be posting your Great Colorado Snowshoe Run Soapbox comments at:

<http://www.cqc.org/contests/snow2001.htm>

Roger - WB0JNR - CQC Webmaster
<http://www.ZeekZilch.com>

-

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Date: Sun, 16 Dec 2001 02:57:19 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: "QFOX@egroups.com" <QFOX@egroups.com>, QRPL <qrp-1@Lehigh.EDU>
Subject: [115011] FINAL LOG FOR VE3FAL
Message-ID: <3C1C53DF.AC50CF48@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Folks:

Here is the final draft for the hunt. I made a few typos the first few times reading my own scribbled log. Thanks for any changes.
Thanks to all who made my hunt a great success, and for the hounds who stood by me.
This truly is what makes this hobby fun.
However , next I will be serving the Cheese with all the whine out there.

Ok here it is again....FINAL FINAL LOG

TIME	CALL	RPT	SPC	NAME	PWR
0201	WD4MSM		599	IN BARRY	5W
0203	K0EVZ		599	ND DOC	5W
0204	W5USJ		559	TX CHUCK	5W
0205	N0AR	599	MN	SCOTT	5W
0206	N0DSP		559	CO TOM	5W
0207	N0UR	599	MN	JIM	5W
0208	K9DC	559	IN	DAVE	5W
0208	W0UFO		559	MN MERT	5W
0209	AA50	599	LA	VERN	5W
0210	N5GJQ		559	LA MIKE	5W
0212	WA8WV		559	WV DAVID	5W
0214	W0PWE		559	IA JERRY	5W
0215	W9HL	559	IL	RANDY	5W
0216	VE6EX		559	AB DAN	5W
0217	VE5RC		559	SK BRUCE	5W
0218	WV9N	559	OH	RANDY	5W
0219	KQ5U	559	TX	TERRY	5W
0220	K3PH	599	PA	BOB	5W
0221	K8CV	559	MI	WALT	5W
0222	KK5LD		559	TX DAN	5W
0223	W8RU	599	MI	RON	5W
0224	N2WW	559	CO	LARRY	5W
0226	AF4PS		579	FL MAC	3W
0227	AG0T	559	ND	TODD	4W
0228	W5YR	559	TX	GEORGE	5W
0229	N1TP	599	FL	TOM	5W
0231	K0FPR		589	CO AL	5W
0232	K4TJD		559	GA TOM	5W
0233	W8WJW		559	MA JOHN	5W
0235	W5TB	559	TX	DOC	5W
0236	N4ROA		559	VA DAN	5W
0237	W6DWW		569	CA DES	5W
0238	WA8BXN		599	OH MIKE	5W
0239	K5DI	559	NM	KARL	5W
0241	KD5KXF		559	TX MIKE	5W
0243	K8KFJ		559	WV GARY	5W
0244	WB8ICN		599	MI MIKE	5W
0246	W0CH	599	MO	DAVE	900MW
0247	WD7Z	559	NM	DAVE	5W
0250	KB9YIG		559	IN TONY	5W
0251	K5DW	559	TX	DON	5W
0252	K4ADI		559	SC FRANK	5W
0253	K5JHP		559	TX BILL	5W
0254	KV4EE		559	SC CRAIG	5W

0255	W0RSP	569	SD	ADE	4W	
0256	N4MAP	599	GA	SAM	5W	
0257	N0RC 559	CO	ROD	5W		
0302	NQ7X 559	AZ	FLOYD	5W		
0304	AF4LQ	559	KY	MIKE	5W	
0305	NM5M 559	TX	ERIC	4W		
0307	N0TK 559	CO	DAN	5W		
0307	K3IU 559	RI	KEN	5W		
0311	K4BYF	559	FL	JACK	5W	
0314	KB7WW	559	OR	ART	5W	
0314	K50I 559	OK	TIM	5W		
0315	K6VNX	559	CA	ARLEN	5W	
0316	AB0CD	559	CO	DICK	5W	
0317	K5BGB	589	TX	ROD	5W	
0320	N3ZPQ	559	OH	FRANK	4W	
0321	N1Q0 559	VT	JOHN	5W		
0324	AC5JH	559	OK	TOM	5W	
0325	WE9K 449	WI	GLEN	5W		
0327	K7TQ 339	ID	RANDY	5W		
0328	NV4V 599	KY	PETE	5W		
0329	W7ILW	559	AZ	WALT	5W	
0330	N9AW 449	WI	JERRY	5W		
0332	WR50 559	TX	DAVE	5W		
0333	VE6KG	579	AB	NORM	5W	
0334	K5ZTY	559	TX	BILL	5W	
0336	K4FB 579	FL	PAUL	5W		
0337	KC9LC	559	VA	RANDY	5W	
0338	N2CQ 559	NJ	KEN	5W		
0339	W9XU 559	WI	LON	4W		
0340	WB8WTU	559	OH	DENNIS	5W	
0342	KC1FB	559	CT	JIM	5W	
0343	KI0II	559	CO	RON	5W	
0344	WA9TZE	339	WI	JIM	5W	
0345	KJ0C 589	MO	JIM	5W		
0346	N0TU 559	CO	STEVE	5W		
0347	KC0ATC	559	CO	CHRIS	3W	
0348	K5TF 559	GA	DICK	2W		
0349	WB6BWZ	579	GA	MATT	5W	
0352	N5WL 559	OK	BART	5W		
0354	AA7XA	559	OR	FRANK	5W	
0356	AD4IH	339	FL	JOE	5W	
0359	W0JOE	559	MO	JOE	5W	
0400	VE3FAL	FOX	ONT	FRED	5W	

Fred VE3FAL

Date: Sun, 16 Dec 2001 03:26:17 EST
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [115012] 7.10MHz Code?
Message-ID: <136.5e1ebd2.294db4a9@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Does anyone no what happened to the station on 7.1 that ran code sessions? It seems to be replaced by Hispanic SSB operators. It also was a good becon for band conditions
Alan KB7MBI

Date: Sun, 16 Dec 2001 06:33:37 -0500
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>, ". NJ QRP-L" <njqrp@njqrp.org>
Subject: [115013] 3rd Annual QRP Contest Calendar for 2002 Sale
Message-ID: <001c01c18625\$815926e0\$c3ad5cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

The Eastern PA QRP Club would like to announce the release of the 3rd Annual QRP Contest Calendar for 2002. This color picture calendar will have the Appalachian Trail theme.

The calendar will list all QRP contests and contests with QRP categories. It will be a fold out style that you can hang on your wall next to your rig. There will be a Web sites and Contest Manager listings.

The calendar will be ready for mailing for the Christmas season. We are shipping now.

The cost will be \$13.50 for US and \$15.50 for DX. This will include the shipping cost.

For more information please check www.n3epa.org .

Happy Holidays!

72 & 73
Good DXing

Ron Polityka
n3epa@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv
<http://www.n3epa.org>

Eastern Pennsylvania QRP Club Call
N3EPA E-mail address: n3epa@fast.net

Date: Sun, 16 Dec 2001 07:03:06 -0500
From: "JOSEPH PIRKLE" <ad4ih@worldnet.att.net>
To: <hubby2k@hotmail.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115014] Re: possible virus from ARRL
Message-ID: <001701c18629\$a0445b20\$14904d0c@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I got the same thing. Looks like it failed, as it was not attached, but was a "second part" of the message. I will try to send it in to my AV service for analysis.

Joe

----- Original Message -----
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, December 16, 2001 04:07 AM
Subject: possible virus from ARRL

|
| I just got a msg titled "Bruce Richardson July 19, 1999 Bergen Acceptance."
|
| from the ARRL letter mailing address that looks like it may contain a
virus.

| Be careful! I'm not about to decode the attached batch file.

| 73/72 - Mike WA8BXN

| PS: Snowshoe contest worked 7 stations 5 states

| -----
| Get your FREE download of MSN Explorer at
<http://explorer.msn.com/intl.asp>.

Date: Sun, 16 Dec 2001 07:37:52 -0500
From: "JOSEPH PIRKLE" <ad4ih@worldnet.att.net>
To: <ad4ih@worldnet.att.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115015] Re: possible virus from ARRL
Message-ID: <000d01c1862e\$7bfd4ce0\$0e184e0c@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Not successful in forwarding the suspect email to my AV site...sri

Joe

----- Original Message -----

From: "JOSEPH PIRKLE" <ad4ih@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, December 16, 2001 07:03 AM
Subject: Re: possible virus from ARRL

| I got the same thing. Looks like it failed, as it was not attached, but
was
| a "second part" of the message. I will try to send it in to my AV service
| for analysis.

| Joe

| ----- Original Message -----

| From: "Mike WA8BXN" <hubby2k@hotmail.com>

| To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
| Sent: Sunday, December 16, 2001 04:07 AM
| Subject: possible virus from ARRL

|
|
| | I just got a msg titled "Bruce Richardson July 19, 1999 Bergen
Acceptance.

| "
| | from the ARRL letter mailing address that looks like it may contain a
| virus.
| | Be careful! I'm not about to decode the attached batch file.

| | 73/72 - Mike WA8BXN

| | PS: Snowshoe contest worked 7 stations 5 states

| | -----
| | Get your FREE download of MSN Explorer at
| <http://explorer.msn.com/intl.asp>.

Date: Sun, 16 Dec 2001 06:13:50 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Mike WA8BXN <hubby2k@hotmail.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115016] Re: possible virus from ARRL
Message-ID: <Pine.LNX.4.33.0112160612480.2091-1000000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

It is for sure a virus. I have forwarded mine to the arrl and they can
figure out how it got on the list.

On Sun, 16 Dec 2001, Mike WA8BXN wrote:

>
> I just got a msg titled "Bruce Richardson July 19, 1999 Bergen Acceptance. "

> from the ARRL letter mailing address that looks like it may contain a virus.
> Be careful! I'm not about to decode the attached batch file.
>
> 73/72 - Mike WA8BXN
>
> PS: Snowshoe contest worked 7 stations 5 states
>
>
>
>
> -----
> Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>.
>
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Sun, 16 Dec 2001 08:27:43 -0500
From: Alex <krist@amsat.org>
To: plburbank@kih.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [115017] [OT] Getting rid of all ads Re: AOL Pop-Up Disable
Message-ID: <3C1CA14F.42A73BB3@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

One of the best products I've seen and use to get rid of _all_ ads
(including pop up, pop under) is Webwasher. It's free for personal use
and schools:

<http://www.webwasher.com/>

I never really realized how much space on a page contains ads until I
started using Webwasher. Hope this helps.

73s,
--Alex

Pete Burbank wrote:

> Is there any way to do this when using Netscape?
> The ads always pop up when my primitive typing skills are trying to do a
> search on Google
> and I have to peck it in all over
> again.
> Pete NV4V

Date: Sun, 16 Dec 2001 13:39:30 +0000
From: Larry Cahoon <lejek@erols.com>
To: kd1jv@moose.ncia.net,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [115018] Re: Delaware and other "rare" states
Message-ID: <5.1.0.14.0.20011216133220.00b62180@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I tend to think it has more to do with when and how you operate than anything else. With nothing more than dipoles from the East coast in my 4 and half years of playing QRP I've got every state in the log at least 18 times. AK is at the bottom of the list. DE is on the list 37 times. Every state is in the log at least 3 times QRPP.

The states are all there for the taking, you just have to operate at the right times and places. Do you want AK and HI? Play around any one of the big DX contests. There are always there. DE always shows up on SS. RI is and easy catch in SS. If you don't want to play in the contest drop in on the county hunter net - 14.056.5 - the so called rare states always shows up there. W7TSM in WY is a county hunter. KL7GN is a county hunter.

Now counties is a different matter. Is there anyone in the Second Judicial District of AK? It is the last one I need to finish all counties in AK and HI QRP.

73 de Larry.....WD3P in MD
<http://www.qsl.net/wd3p/>

At 11:46 PM 12/15/2001 -0500, Steven Weber wrote:

> >
> >Your own QTH obviously has a lot to do with which state you think
> >is rare. KS, NE, ND, SD are no great shakes from here in the
> >-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
>
>I've often though it would be interesting to find the number of WAS awards
>per state and then corrilate that to the percentage of hams in that state.
>(Obviously, a state with a lot of hams, should have a greater number of WAS
>awards) This would show what the best state to live in, to have the best

>chance of getting WAS. (Maybe do this per band also) I'm willing to bet
>those that live in the midwest have the largest percentage of WAS awards,
>based on thier percentage of the overall ham population.

>

>

>72,

>Steve, KD1JV

>"Melt Solder"

>White Mountians of New Hampshire

><http://www.qsl.net/kd1jv/>

Date: Sun, 16 Dec 2001 08:51:36 -0500
From: W2AGN <w2agn@pobox.com>
To: qrp-1@lehigh.edu
Subject: [115019] WAS
Message-ID: <01121608513629.11923@njbirdman>
Content-Type: text/plain;
 charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

I hadn't really thought about WAS, as I was mainly interested in DX. Worked Jim, and a couple others in Alaska, but hadn't given it a real charge.

Then, after working Hawaii in the 10M contest, I got looking back, and I find I have 48 worked.

And...I need Delaware..after putting it on.

Guess I'll have to go talk to myself.

--

John L Sielke W2AGN
 w2agn@pobox.com
<http://www.qsl.net/w2agn>

Date: Sun, 16 Dec 2001 08:59:40 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115020] Re: possible virus from ARRL
Message-ID: <3C1CA8CC.937CD250@tampabay.rr.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It's a virus...and it's working.

It's designed to get people to think it's a virii...and start sending
hundreds of emails:

"Was that a virus?"

"Yea...I think it was"

yada...yada...yada...

Or perhaps it came from one of the anti-ARRL types who blame then for
all Spam on the internet???

Paul K4FB

Virii protection by common sense.

Date: Sun, 16 Dec 2001 08:59:28 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [115021] Re: possible virus from ARRL
Message-ID: <3C1CA8C0.D2CED8A@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I got the same message here. What appears to have happened is that
someone who uses the ARRL's mail forwarding service got a virus that has
infected his address book. It is continually sending the same message
out ti the recipients list. I don't think the ARRL has any part in
this. They are just acting as a forwarding service. The actual virus
is probably stripped off before any of us get it.

73

Date: Sun, 16 Dec 2001 09:16:48 -0500
From: mikemo@attglobal.net
To: somerville@uniserve.com, qrp1 <qrp-1@lehigh.edu>
Subject: [115022] Re: [Elmer 101] VFO works, but...
Message-ID: <3C1CACD0.368AB5EA@attglobal.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John,

Yes, that is in the expected range. Later on we will add C7 to bring the frequency down to the bottom of the band.

It looks like you calculated the required capacitance wrong. Using the resonance formula from yesterday, I calculated 675 pF required to get the 1.5 microHenry coil to resonate at 5 MHz. I just used algebra to solve for C. It looks like you may have just missed a decimal place.

Let's look at how we get 5 MHz out of this thing. The frequency is determined by L1 (1.5 microHenrys) in parallel with all the other capacitance in the circuit. The circuit is a little hard to visualize so I'll walk through it.

L1 is in parallel with C7 (which is not yet loaded), the series combination of C9 and C10, and the remainder of the capacitors. The series combination of C9 and C10 is $(C9 \times C10)/(C9 + C10)$ which is 9.6 pF. The net capacitance of D1, C8, C4, C5, C3 and C2 are all in series with C6. BTW, D1 is about 275 pF when the cathode is at ground. Lets figure out the first part. There are three sets of capacitors, all in parallel. C8 is in series with D1, C3 is in series with C2, and C4 is in series with C5. Using the same method (the product over the sum), I calculated 24.6 pF for C8 D1, 600 pF for C4 C5, and 8.2 pF for C2 and C3. All three of these are in parallel, so we simply add them, for a total of 632.8 pF. Now remember, this capacitance is in series with C6, which gives us about 530 pF. Add this with C7 (0) and the C9 C10 combination (9.6 pF), gives a total of about 539.6 pF.

I know that is confusing but it is difficult to explain without a drawing.

L1 is 1.5 microHenrys, so the resonant frequency (remember the formula from the last email?) is 5.59 MHz. Keep in mind that any additional capacitance, like the junction capacitance of the transistor and the capacitance of L1 will add to the total capacitance and bring the frequency down. Most people who build this with J2 shorted to ground will find the frequency somewhere between 5.1 and 5.2 MHz. Later we will add C7, which will directly add to the total capacitance and lower the frequency down to 5 MHz.

Those who are building the other versions can follow the above steps and calculate the frequency for their radio (this is a good exercise). I listed the inductance of L1 for each version in the previous email.

Regarding wire size, smaller wire gives higher resistance (lower Q) but allows more turns on each core. Heavy wire is hard to wind on a core. Wire size is a compromise.

Regards,
Mike Maiorana, KU4QO

Somerville wrote:

>
> My VFO puts out 5.190 MHz, is this within the expected range?. I
> calculated the inductance of L1 as 1.587 micro Henrys and I calculated
> that the capacitance required for resonance at 5 MHz would be 63.9 pF
> but that doesn't look right on viewing the schematic. Did I goof in my
> calculations?
>
> According to the equation $L = (A \times N^2) / 10000$, the inductance of a toroid
> is independent of wire size, (of course if you used a wire too big to fit
> through the torus the inductance would be zero). If this is true, why
> is wire size generally specified for toroids?
>
> Regards John/VE7CFG

Date: Fri, 14 Dec 2001 16:21:23
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: leon_heller@hotmail.com
Cc: qrp-l@lehigh.edu
Subject: [115023] Re: [SPICE] Tapped Air Inductors
Message-ID: <F591tIzmQVuRWcy7rjc00003fa7@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Actually, what I did was exactly what you stated in your post, i.e. think of the two half coils as separate, calculate their inductances that way and add mutual inductance (I played around from 0.99 to much less). I also tried assigning the coils fractional inductance values based on the tap point (i.e. if the tap is at 20% then the smaller inductance is 20% of the overall coil inductance). Nothing produced a bandwidth similar to what I observe in my actual receiver ... see the receiver at the bottom of the page and associated schematic:

<http://www.geocities.com/alibhernlem/Radio/regens.html>

Perhaps there are simply too many other things going on that are not being adequately included in my model (like coil to shield capacitance effects).

When I was building this regen I tried and tried but could not figure a way to calculate the resonance point of this relatively complicated tank circuit (it is probably a trivial problem for the EEs :-). In the end I solved the problem iteratively (try something, see how it tunes, tweek, repeat as necessary) but that doesn't give me much comfort in designing something for another band. The old-timers used this tapped coil bandspread trick. There must be some way to design these things by equation.

Presumably, based on your responses, I am doing the SPICE modelling properly (even though you can't see the details).

BTW, is it possible to do an "AC analysis" of a circuit and have the output voltages reported as their DC values instead of AC values? I tried to model my RF probe circuits, feed the thing a swept AC signal and watch the DC output but apparently it only shows the AC output (which, of course, is dang near nil).

Brad

```
>From: "Leon Heller" <leon_heller@hotmail.com>
>To: alihernlem@hotmail.com, qrp-1@Lehigh.EDU
>Subject: Re: [SPICE] Tapped Air Inductors
>Date: Fri, 14 Dec 2001 07:48:40 +0000
>
>
>>Leon,
>>
>>Thanks for your input. I had built up a model using series inductors
>>with various values of mutual inductance. My problem is in choosing
>>the values to assign to the individual sections of the series
>>inductor. If I cut the coil at some point and use the formulas
>>for computing the inductance of each half coil, the two values do
>>not add to the inductance of the overall coil (which is really not
>>cut but merely tapped).
>
>See my second post, and try putting in the mutual inductance.
>Coincidentally, I was thinking of modeling something similar as an
>experiment, but with a toroidal coil - a resonant circuit with a tap for
>matching to an antenna. I'll let you know what I come up with.
>
>
>73, Leon
>--
```

>Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com
>My web page: http://www.geocities.com/leon_heller
>My low-cost Altera Flex design kit: <http://www.leonheller.com>
>

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>.

Date: Sun, 16 Dec 2001 08:01:34 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: <lenrev@ameritech.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115024] Re: possible virus from ARRL
Message-ID: <006601c18642\$8e329e10\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

I'm doubtful the attachment is a virus. I got the message too, I use Norton Anti Virus, NAV did not tag the ".dat" attachment as a virus. A ".dat" attachment as best I recall resulted from the way some old Windows version mail systems worked.

This could have resulted as pure human error from someone at ARRL or there designate. Or it could be the result of one of the recent viruses the self propagates.

As for the forwarding addresses getting spam. It's not ARRLs direct fault. ARRL email forwarding a appears to be supplied by a third party, "MailInc", www.mailinc.com. Look at your email header, here is a bit from one of mine: comment is upper case.

MAIL COMING TO MY ISP/MAIL SERVICE FROM CORPLINK.NET

Received: from emdvg003 [165.212.54.10] by umdvg004.cms.usa.net via
mtad (53CM.1001.1.06)
with ESMTP id 467FLPotE0141M04; Sun, 16 Dec 2001 14:45:30 GMT

Received: from xlate2.corplink.net [209.224.159.62] by emdvg003 via
mtad (ES.0801.2.03);
Sun, 16 Dec 2001 14:45:37 GMT

MAIL TO CORPLINK.NET FROM MY ISP/MAIL SERVICE

Received: from urdvg001.cms.usa.net (urdvg001.cms.usa.net
[165.212.11.1])
by xlate2.corplink.net (8.11.0/8.11.0) with SMTP id fBGEjWi12812
for <n0rc@arrl.net>; Sun, 16 Dec 2001 09:45:32 -0500

MAIL FROM MY COMPUTER OUT TO ISP/MAIL SERVICE

Received: (qmail 15098 invoked from network); 16 Dec 2001
14:45:29 -0000

Received: from uadv129.cms.usa.net (165.212.11.129)
by corprelay.cms.usa.net with SMTP; 16 Dec 2001 14:45:29 -0000

Received: (qmail 12501 invoked by uid 0); 16 Dec 2001 14:45:29 -0000

Received: from greyrock [12.252.55.250] by uadv129.cms.usa.net
(ASMTMP/rod@n0rc.com) via mtad (53CM.1001.1.06)
with ESMTP id 457FLPotC0078M29; Sun, 16 Dec 2001 14:45:28 GMT

Do a whois lookup on corplink.net and you can trace it back to
MailInc. It's my guess the MailInc's SMTP services are a little to
liberal WRT to what they forward.

Happy Holidays
73, Rod N0RC
Ft Collins, CO

----- Original Message -----

From: "Len Revelle" <lenrev@ameritech.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, December 15, 2001 10:04 PM
Subject: RE: possible virus from ARRL

> I have found ARRL less than stellar in dealing with eGarbage they
either
> originate or forward. I got consistant spam addressed to
xxxxxx@arrl.net.
> The xxxxx part was alphanumerically sequential in the headers

showing
> multiple addressees at arrl.net. Some were not valid callsign combinations
> and would have caused return error messages to the sender.
Complaints to the
> league resulted in, Not our problem....," type of responses. That particular
> spam stopped when I set my forwarding OFF and returned as soon as I
> restarted it.

Date: Sun, 16 Dec 2001 10:22:17 -0500
From: "E. Roswell" <eroswell@monmouth.com>
To: qrp-1@Lehigh.EDU
Subject: [115025] Re: Delaware
Message-ID: <3C1CBC29.F96D718@monmouth.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

....I can not verify that Ham Radio Outlet. I heard it was just off the Interstate,

Yes, turn off I-95 (or the connector to it; I come south from the NJ Tpk), south on rte 13, about a mile or less on the right.
If you are in the area or passing by, makes good stop to save sales tax and shipping for that high-dollar item.

...George Washington Tossed a Silver Dollar Across the Delaware.
Some say Delaware, some say the Potomac, but I believe it was the Rappahanock River.
73, Ed, K2MGM.

Date: Sun, 16 Dec 2001 10:33:52 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115026] Delaware qrPedition
Message-ID: <3C1CBEDF.9D8B7C49@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'm planning a trip to the rare state of DE sometime in March. A friend moved here about a year ago and still has some stuff to move down.

Once we get a firm date I'll let everyone know. We'll be there for a couple of days...so should have plenty of time for QSO's.

73

Paul K4FB

Date: Sun, 16 Dec 2001 10:40:29 -0500
From: neil tanner <wa4chq@qsl.net>
To: qrp-1@Lehigh.EDU
Subject: [115027] LinPsk
Message-ID: <200112161540.KAA04552@lycanthrope.crosslink.net>
Content-Type: text/plain;
 charset="iso-8859-15"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

Greetings-

I am still having a problem with LinPsk. I upgraded to RH7.2 and compiled LinPsk. It finally pops up. Now I can't get it to receive anything. I have checked documentation and have not found anything about my problem. I had received some help with getting TWPSK working but no luck....one step at a time!

72

Neil wa4chq

Date: Sun, 16 Dec 2001 10:41:04 -0500
From: Pete Burbank <plburbank@kih.net>
To: kr1st@amsat.org
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115028] Re: [OT] Getting rid of all ads Re: AOL Pop-Up Disable
Message-ID: <5.0.2.1.0.20011216103906.00ad6ec0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Thanks Alex! I'll check that out.

73, Pete

At 08:27 AM 12/16/2001 -0500, Alex wrote:

>One of the best products I've seen and use to get rid of _all_ ads
>(including pop up, pop under) is Webwasher. It's free for personal use
>and schools:
>
><http://www.webwasher.com/>
>
>I never really realized how much space on a page contains ads until I
>started using Webwasher. Hope this helps.
>
>73s,
>--Alex
>
>Pete Burbank wrote:
>
> > Is there any way to do this when using Netscape?
> > The ads always pop up when my primitive typing skills are trying to do a
> > search on Google
> > and I have to peck it in all over
> > again.
> > Pete NV4V

Date: Sun, 16 Dec 2001 08:51:34 -0700
From: "Steve/n0tu" <n0tu@qsl.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Subject: [115029] FS: DSW40 w/5-pole xtal filter
Message-ID: <00ed01c18649\$8b349c20\$6a211d82@cos.agilent.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Can't let this rig sit on the shelf any longer! I guess I much prefer my little scratch build QRP rigs these days. Sorry Dave! The DSW is a mighty fine design but it's just not the same as my homebrew rigs. ;-)

DSW40 in factory blue case, plus 5-pole xtal filter installed and manual.
Shipped priority USPO. \$150

2-mods:

1. I added the 5-pole xtal filter which can be retro-ed back to stock 3-pole

if desired. Original PCB is unharmed.

see it at: <http://www.qsl.net/n0tu/images/DSWfilter.JPG>

2. Added small PB-switch (same as the keyer one) in parallel with frequency spotting switch (main tuning). It's a gentle touch push button compared to the main tuning switch. Takes only one hand to spot ur frequency where as the one on the main tuning you must hold the rig with ur other hand or you'll push it off the table while punching the main tuning to get frequency checked!

see it at: <http://www.qsl.net/n0tu/images/DSWclsic.JPG>

Steve/n0tu

Date: Sun, 16 Dec 2001 11:36:29 -0500
From: "ss lyon" <sslyon@megalink.net>
To: "chat qrp" <qrp-l@lehigh.edu>, "NEQRP LIST" <neqrp@jonal.net>,
"NJQRP NJQRP" <njqrp@njqrp.org>
Subject: [115030] NEQRP NOISE BRIDGE: 1st batch shipped.
Message-ID: <015501c1864f\$d0342060\$038798ce@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The first batch was shipped on Saturday. Recognizing my sense of urgency, the P.O. lady in true rural Maine style answered my query with... "yessah... should be gettin' theya b'fowa Eastah fa showah". They went out first class...so take it from there.

ADVISORY: This was my first kitting project; the only glitch that I'm aware of is that for some reason I included four, rather than three wire ribbon cable for the toroid winding. Please adjust accordingly.

HAPPY HISSING!

72

AA1MY

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel, Me, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm

Date: Sun, 16 Dec 2001 12:00:11 EST
From: NV9Z@aol.com
To: qrp-l@lehigh.edu
Subject: [115031] MFJ-9040 SOLD
Message-ID: <c5.1af40ad0.294e2d1b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

The 9040 is spoken for.

73/72 de Chris NV9Z QRP-L #2370

Date: Sun, 16 Dec 2001 12:04:37 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: rod@n0rc.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [115032] Re: possible virus from ARRL
Message-ID: <3C1CD425.A3FFF303@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rod,

Folks are often too quick to place blame when they get something they don't want. The ARRL's email forwarding service is just that, a service. Each individual message is NOT read and then forwarded. It is done totally in software, what it gets in it sends out. If there is a fault it is in the originating computer. They may perform some virus checks but that os about it!

Knowing the path probably will do you no good. You have to get to the originating computer. He probably knows he has been hit by now!

73

Date: Sun, 16 Dec 2001 12:22:10 -0500

From: David Hinerman <wd8civ@worldnet.att.net>
To: qrp-1@lehigh.edu
Subject: [115033] Re: [SPICE] Tapped Air Inductors
Message-ID: <3.0.6.32.20011216122210.007964b0@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 04:21 PM 12/14/01, you wrote:

>BTW, is it possible to do an "AC analysis" of a circuit and have the output
>voltages reported as their DC values instead of AC values? I tried to model
>my RF probe circuits, feed the thing a swept AC signal and watch the DC
>output but apparently it only shows the AC output (which, of course, is dang
>near nil).

Brad,

For nonlinear circuits (like diodes) you need to use the transient analysis. You can set your input voltage source to output a sin wave with the SIN command:

```
SIN(V0 VA FREQ TD THETA)
```

Where V0 is the voltage offset, VA is the maximum (peak) amplitude, FREQ is the frequency in Hz, TD is the delay in seconds (useful for phase shifting), and THETA is a damping factor (for you guys simulating spark transmitters.) You can omit the TD and THETA arguments if the defaults are OK (0 for both.)

To do the transient analysis, use the TRAN command:

```
.TRAN TSTEP TSTOP <TSTART <TMAX>>
```

TSTEP is the "sampling" step. Signals in the circuit will be evaluated every TSTEP seconds and stored in a table. TSTEP should be smaller than the period of the fastest signal you're interested in. For example, if you're modeling a 1 MHz signal, you'd choose a TSTEP of maybe 100 nanoseconds, which would give 10 steps per cycle of the 1 MHz signal. the smaller TSTEP is, the longer the analysis will take.

TSTOP is how long to run the analysis. For the 1 Mhz example, a TSTOP of 10 microseconds will give 10 cycles of data. If you're dealing with capacitor charging, you may need a longer simulation run.

TSTART lets you limit the number of data points stored, and can speed up a long simulation if you don't care about startup conditions. In this example, setting TSTART to 8 microseconds tells SPICE "simulate for 10 us but only show me the last 2 us."

TMAX forces SPICE to use a sampling step of your choosing, instead of its own default (which may or may not be related to TSTEP).

You can omit TSTART and TMAX if you like.

Now - can anybody tell me how to measure phase differences in a transient simulator?

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Sun, 16 Dec 2001 10:39:44 -0700
From: "Steve/n0tu" <n0tu@qsl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115034] Re: DSW40 w/5-pole xtal filter
Message-ID: <012101c18658\$a6fc9660\$6a211d82@cos.agilent.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Whew. That went fast! Thanks all who inquired ...it's sold.

~ Steve/n0tu ~

----- Original Message -----
From: "Steve/n0tu" <n0tu@qsl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, December 16, 2001 8:51 AM
Subject: FS: DSW40 w/5-pole xtal filter

> Can't let this rig sit on the shelf any longer! I guess I much prefer my
> little scratch build QRP rigs these days. Sorry Dave! The DSW is a mighty
> fine design but it's just not the same as my homebrew rigs. ;-)
>
> DSW40 in factory blue case, plus 5-pole xtal filter installed and manual.
> Shipped priority USPS. \$150
>
> 2-mods:

>
> 1. I added the 5-pole xtal filter which can be retro-ed back to stock
3-pole
> if desired. Original PCB is unharmed.
>
> see it at: <http://www.qsl.net/n0tu/images/DSWfilter.JPG>
>
> 2. Added small PB-switch (same as the keyer one) in parellel with
frequency
> spotting switch(maining tuning). It's a gentle touch push button compared
to
> the main tuning switch. Takes only one hand to spot ur frequencey where as
> the one on the main tuning you must hold the rig with ur other hand or
> you'll push it off the table while punching the main tuning to get
frequency
> checked!
>
> see it at: <http://www.qsl.net/n0tu/images/DSWclsic.JPG>
>
> Steve/n0tu
>

Date: Sun, 16 Dec 2001 09:04:17 -0800
From: "Mike Standbridge" <ve7mst@goldcity.net>
To: "QRP-1" <qrp-1@Lehigh.EDU>
Subject: [115035] OT - Sorry but I NEED HELP
Message-ID: <001d01c18653\$b379dc40\$a3dcc2cf@mike>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello To The List,
I have a problem with my Icom 745. A 2SC763 transistor has given up the
ghost and I need a replacement. I am not able to find one locally and I
wonder if anyone knows where I can get one ?
Thanks in advance es 72 de VE7MST

Mike

Date: Sun, 16 Dec 2001 13:06:00 -0500
From: "Dean LaClair" <n12v@northnet.org>

To: <qrp-1@Lehigh.EDU>
Subject: [115036] Argonaut 509 with 405 amp
Message-ID: <004601c1865c\$51f66520\$5b25eed8@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Cleaning of the shelves...
moving soon;
\$400 shipped to conus

Date: Sun, 16 Dec 2001 18:35:15 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [115037] Making PCBs at home
Message-ID: <F20sLwy5scK8t859I0900005981@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Having tried various ways of making PCBs at home, I seem to get the best results by the conventional photoresist and etching technique. 0.012" tracks are easy and I can probably go down to 0.008" with care. Here's a summary of how I do it:

1. Print 1:1 onto translucent polyester drafting film using a laser printer. I use an old LaserJet IIIP I picked up very cheaply with film specially made for laser printers. It's matt on both sides so I don't have to worry about getting it the wrong way round. It's expensive stuff so I cut a small piece to size and fix it to a carrier sheet of paper using a piece of masking tape. Set the printer for maximum density.
2. Cut the copper laminate to size, clean the copper with an abrasive block and spray with Electrolube PRP photo-resist. It's a positive process resist in an aerosol can. A thin even coat is best. Dry in a warm oven for a few minutes.
3. Place the positive pattern in contact with the photoresist (toner side against the resist) and expose to UV. I use eight minutes with two tubes about 15 cm away, but you will need to experiment.
4. Develop the resist in caustic soda solution for about 2-4 minutes. Concentration is 7gm of NaOH to 1 litre of water. It should be at room temperature.

5. Wash thoroughly and etch in your favourite mixture. I use plain FeCl3, with the etching container in a larger container filled with boiling water. With plenty of agitation it takes about 10 minutes. If any areas aren't etching properly I stroke them with an old toothbrush under the solution. The resist is quite hard and seems to survive.

6. Wash the board thoroughly. Clean the resist off with a suitable solvent - (I use cellulose paint thinners - very cheap!) and drill.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com

My web page: http://www.geocities.com/leon_heller

My low-cost Altera Flex design kit: <http://www.leonheller.com>

Join the world s largest e-mail service with MSN Hotmail.

<http://www.hotmail.com>

Date: Sun, 16 Dec 2001 14:00:06 -0500 (EST)

From: n2go@arrl.net

To: Mike Standbridge <ve7mst@goldcity.net>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [115038] Re: OT - Sorry but I NEED HELP

Message-ID: <Pine.LNX.4.21.0112161358530.9461-100000@valhalla.v>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Try RF Parts.

<http://www.rfparts.com/2sc.html>

Under \$1 US

But there are minimum orders and shipping :(

73,

Jim n2go

Date: Sun, 16 Dec 2001 13:43:01 -0500

From: Dave Gingrich K9DC <gingrich2@dcg.org>

To: rod@n0rc.com
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115039] Re: possible virus from ARRL
Message-ID: <5.1.0.14.2.20011216124556.02149008@172.22.1.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 08:01 12/16/2001 -0700, Rod N0RC wrote:

>As for the forwarding addresses getting spam. It's not ARRLs direct
>fault. ARRL email forwarding appears to be supplied by a third
>party, "MailInc", www.mailinc.com.

That is correct. Mailinc and Corplink.net are a function of an Indianapolis Consulting firm/ISP (Very Ham friendly btw) that has a contract with the League to run the members mail forwarding service. (I used to work there, but left before they got the ARRL contract. Still have a packet station there though)

>Do a whois lookup on corplink.net and you can trace it back to
>MailInc. It's my guess the MailInc's SMTP services are a little to
>liberal WRT to what they forward.

The arrl.net is a mail forwarding service, not a filtering service. It will forward any message it receives, to its destination untouched, other than changing the address. E-mail in/e-mail out - attachment in/attachment out. No screening, no virus protection, just delivery.

Use of an arrl.net address may actually make you more vulnerable to spam. Just download the callsign database and place @arrl.net behind each callsign and a sizable portion will be delivered. You really wouldn't have to download the database, since callsigns are assigned systematically from well known patterns. I know that method was used at least once.

Most spam comes from leaving your e-mail address laying around in visible places, like signature files on newsgroup or mailing list postings. Ever register for anything on a web site and leave your e-mail address? I try to avoid that if possible, but sometimes I resort to using a bogus e-mail address unless I need a response. Then I light up a temporary address for the duration of the transaction and take it down when I don't need it anymore.

Did you know that every post here on QRP-1 appears on websites all over? Or how about Flying Pigs. They publish on their web site the e-mail address of all the members. (I missed that one before I signed up)

Ever do a Google search on your e-mail address or your callsign? You might be surprised how widely you are known. Spammers probably don't do Google searches, but you'll get the drift.

=====
Dave Gingrich, K9DC - Indianapolis, Indiana USA
K2 #2211, K1 #931, QRP-L #2376, ARS #1109,
FPQRP #389, CCIE #6748
=====

Date: Sun, 16 Dec 2001 12:44:14 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: <leon_heller@hotmail.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115040] Re: Making PCBs at home
Message-ID: <03b601c18661\$ac754200\$a511a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What ever happened to good 'ol Sharpies and some etchant in the cut-off
bottom of a milk jug? :^D

72/73/oo
Rob, kc0bom
ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPP-I #19

Visit my website! <http://www.qsl.net/kc0bom/hamradio>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

----- Original Message -----
From: Leon Heller <leon_heller@hotmail.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Sunday, December 16, 2001 12:35 PM
Subject: Making PCBs at home

Having tried various ways of making PCBs at home, I seem to get the best
results by the conventional photoresist and etching technique. 0.012"
tracks
are easy and I can probably go down to 0.008" with care. Here's a summary
of
how I do it:

1. Print 1:1 onto translucent polyester drafting film using a laser

printer.

I use an old LaserJet IIIP I picked up very cheaply with film specially made for laser printers. It's matt on both sides so I don't have to worry about getting it the wrong way round. It's expensive stuff so I cut a small piece to size and fix it to a carrier sheet of paper using a piece of masking tape. Set the printer for maximum density.

2. Cut the copper laminate to size, clean the copper with an abrasive block and spray with Electrolube PRP photo-resist. It's a positive process resist in an aerosol can. A thin even coat is best. Dry in a warm oven for a few minutes.

3. Place the positive pattern in contact with the photoresist (toner side against the resist) and expose to UV. I use eight minutes with two tubes about 15 cm away, but you will need to experiment.

4. Develop the resist in caustic soda solution for about 2-4 minutes. Concentration is 7gm of NaOH to 1 litre of water. It should be at room temperature.

5. Wash thoroughly and etch in your favourite mixture. I use plain FeCl₃, with the etching container in a larger container filled with boiling water. With plenty of agitation it takes about 10 minutes. If any areas aren't etching properly I stroke them with an old toothbrush under the solution. The resist is quite hard and seems to survive.

6. Wash the board thoroughly. Clean the resist off with a suitable solvent -
(I use cellulose paint thinners - very cheap!) and drill.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com

My web page: http://www.geocities.com/leon_heller

My low-cost Altera Flex design kit: <http://www.leonheller.com>

Join the world's largest e-mail service with MSN Hotmail.
<http://www.hotmail.com>

Date: Sun, 16 Dec 2001 12:45:55 -0700
From: "Rod NORC" <rod@norc.com>

To: <gingrich2@dcg.org>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115041] Re: possible virus from ARRL
Message-ID: <002d01c1866a\$47a29fe0\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dave, thanks for the background info, only one minor nit....

----- Original Message -----

From: "Dave Gingrich K9DC" <gingrich2@dcg.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, December 16, 2001 11:43 AM
Subject: Re: possible virus from ARRL

> At 08:01 12/16/2001 -0700, Rod N0RC wrote:

...

>

> >Do a whois lookup on corplink.net and you can trace it back to
> >MailInc. It's my guess the MailInc's SMTP services are a little to
> >liberal WRT to what they forward.

>

> The arrl.net is a mail forwarding service, not a filtering service.
It will

...

Mail service can do filtering IF required/specified/and paid for, in
an SLA with the right provider. One that I know of is pobox.com, yahoo
mail forwarding may also provide the service.

* * *

Folks, "It's a mean ole world" and the internet is no different.
Understand how things work, even a little bit, can help, but won't,
eliminate spam. eCrud is no different than billboard ads, junk mail or
telemarketers the FOLs (Fact Of Life).

Happy Holidays
73, Rod N0RC
Ft Collins, CO

Date: Sun, 16 Dec 2001 14:57:01 -0500
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: <bdh@cyberbound.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [115042] RE: Tiny Tornado Mods
Message-ID: <GCECIJFJPOHMCKACOA0BGEIADDAA.jakecart@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If you put a low value resistor between the emitters and ground you will level out the current in each transistor. I use 1.8 ohm emitter resistors for each of the 6 PN2222s in my Tuna Tin amp -- get about 1.2 clean watts output.

Jake -- N4UY

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Brice D. Hornback
Sent: Saturday, December 15, 2001 9:15 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Tiny Tornado Mods

Steve,

I've also increased power by simply putting two 2N2222's in parallel for the PA. It doesn't double the output power... but does increase it quite a bit. I've gotten around 800mA out on 40m with that. Yes, unless the two transistors are perfectly matched, one can draw more power than the other and cause them to burn up... but hey... they are only 2N2222's and can be replaced easily.

Thanks for the info on the VX0.

73/72/71! de Brice KA8MAV

----- Original Message -----

From: "Steve Holloway" <wsholloway1@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, December 15, 2001 6:36 PM
Subject: Tiny Tornado Mods

> I've been playing with the TT (Tiny-Tornado) and decided to see if I
> could increase the range of the VX0 . I replaced C14

> with a 5-50 pf variable, cut the trace from the
> crystal to C14 and added a 33 uh inductor between the
> crystal and C14 . The original range with a 7.040
> xtal was 7.039.7-7.042.9. The new range is
> 7.032.9-7.042.9.
> With the 3 crystals I tried 7.040,7.110,and 7.122 I
> got 30 kc's total coverage. Could add another small
> board with crystal sockets and a switch for easy
> crystal swithchig
> Power out can be increased a little by replacing Q2
> with a 2n4401.
> This kit has proven to be first class. The board is
> well made and tough enough to remove and replace parts
> without lifting the traces. The manual is well
> written
> such that a beginning kit builder would have no
> trouble. The receiver hears well but is not very
> selective which is to be expected with such a simple
> circuit.
> Overall it is a fun project and fun to operate.
> 72/73
> Steve KE4JZG
>
>
> -----
> Do You Yahoo!?
> Check out Yahoo! Shopping and Yahoo! Auctions for all of
> your unique holiday gifts! Buy at <http://shopping.yahoo.com>
> or bid at <http://auctions.yahoo.com>
>

Date: Sun, 16 Dec 2001 15:07:16 -0500
From: "Dennis Brickey" <n4dd@preferred.com>
To: <qrp-1@Lehigh.EDU>
Subject: [115043] FOX: N4DD Final Fox Log
Message-ID: <004601c1866d\$4370aea0\$46f3e4ce@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks again for the opportunity to serve as your fox last Thursday evening
12/13/01. I have listed my final log below.

Best Regards to all!!

Dennis Brickey / N4DD

UTC	Call	RST	SPC	NAME	PWR
0200	W9HL	559	IL	Randy	5W
0201	W0UFO	559	MN	Mert	5W
0202	W0PWE	559	IA	Jerry	5W
0203	K3IU	559	RI	Ken	5W
0204	N0UR	579	MN	Jim	5W
0205	K0EVZ	559	ND	Doc	5W
0206	WA8BXN	559	OH	Mike	5W
0206	N5GJQ	559	LA	Mike	5W
0207	K8CV	559	MI	Walt	5W
0208	W0CH	559	MO	Dave	900 mw
0209	N0DSP	559	CO	Tom	5W
0210	K4FB	579	FL	Paul	5W
0211	KV2X	559	NY	Tom	5W
0212	W8SFF	559	MI	Steve	5W
0213	N4ROA	559	VA	Dan	5W
0214	N1FN	559	CO	ET	5W
0215	W5YR	559	TX	George	5W
0216	K3PH	559	PA	Bob	5W
0217	AF4PS	559	FL	Mac	3W
0218	K5JHP	559	TX	Bill	5W
0219	N2WW	559	CO	Larry	5W
0220	K0FRP	559	CO	Al	5W
0221	N3WT	579	MD	John	5W
0222	NK9G	559	WI	Rick	5W
0223	W0RSP	559	SD	Ade	4W
0224	WE9K	559	WI	Glen	5W
0225	WA9TZE	559	WI	Jim	5W
0226	WD4MSM	599	IN	Barry	5W
0227	W8RU	559	MI	Ron	5W
0228	W9XU	559	WI	Lon	5W
0229	N9AW	559	WI	Jerry	5W
0230	AC5JH	559	OK	Tom	5W
0232	W5USJ	559	TX	Chuck	5W
0233	N0AR	559	MN	Scott	5W
0234	VE6EX	559	AB	Dan	5W
0235	N9NE	559	WI	Todd	1W
0237	KI0II	559	CO	Ron	5W?
0238	VE5RC	559	SK	Bruce	5W
0238	W5TB	559	TX	Doc	5W
0239	N0HRL	559	MN	Ken	5W
0240	AB5XQ	559	AR	Bill	5W
0241	W8VJW	559	MI	John	5W
0243	W6BWW	549	CA	Des	5W

0244	N1TP	559	FL	Tom	5W
0246	KD5KXF	559	TX	Mike	5W
0247	AA50	559	LA	Vern	5W
0248	K4BYF	559	FL	Jack	5W
0249	AD2A	559	NJ	David	3W
0251	KB7WW	559	OR	Art	5W
0254	KQ5U	559	TX	Terry	5W
0254	K5DI	559	NM	Karl	5W
0256	K5DW	559	TX	Don	5W
0259	KK5LD	559	TX	Dan	5W
0300	AG0T	339	ND	Todd	4W
0304	N0RC	569	CO	Rod	5W
0307	WR50	559	TX	Dave	5W
0308	KV2X	559	NY	Tom	5W
0309	N1Q0	559	VT	John	5W
0311	NM5M	559	TX	Eric	5W
0314	AB0CD	559	CO	Dick	5W
0315	NQ7X	559	AZ	Floyd	5W
0316	N0TK	559	CO	Dan	5W
0319	N6WG	559	CA	Bob	5W
0319	K6VNX	559	CA	Arlen	5W
0320	KJ0C	559	MO	Jim	5W
0323	WD7Z	559	NM	Dave	5W
0325	VE4WI	559	MB	Craig	5W
0330	K5ZTY	559	TX	Bill	5W
0333	W7ILW	559	AZ	Walt	5W
0334	NV4T	569	FL	Bill	5W
0336	K5BGB	559	TX	Rod	5W
0343	N0TU	559	CO	Steve	5W
0343	K4LKL	579	FL	Paul	1W
0344	K0KP	559	MN	Rex	25mw
0345	N2CQ	559	NJ	Ken	5W
0346	KC1FB	559	CT	Jim	5W
0348	NK6A	559	CA	Don	5W
0352	W3SMK	559	NJ	Steve	5W
0354	KC0ATC	339	CO	Chris	3W
0355	W0JOE	559	MO	Joe	5W
0357	N5WL	559	OK	Bart	5W
0358	AA7XA	559	OR	Frank	5W
0400	N4DD	xxx	TN	FOX	5W

N4DD, DENNIS

Date: Sun, 16 Dec 2001 14:56:40 -0500
 From: nilsbull@juno.com

To: QRP-L@lehigh.edu
Subject: [115044] Nostalgia radio & spare parts
Message-ID: <20011216.145737.-229115.0.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

Well, the nostalgia radio project (from the July '74 edition of Ham Radio Magazine) is moving along something like maybe. I found one of the ICs at Roger's yesterday (the last one in stock) and discovered that Dan's SP&K has the other one. So far so good. The little transformer in the circuit I have a couple of, potted, from previous digital interface experiments. Now to spring for a couple boards . . . as the price of this adds up like years collected on my skin.

And this morning, between intermittant pushings of the F9 key to CQ some MFSK on 17m -- after all the other bands had settled into the noise -- I found a 1972 ARRL handbook with a couple circuits, one of which looks a lot like the receiver side of the PM2 ("A Direct Conversion Receiver for Beginner," pg 270-275), right down to the convertors for anything above 40m. And the CA3028 product detector.

I wonder how many of those ICs I used up on goofy projects what I can't even remember about.

Then I started lookin' through all the remaining Milliwatts I have, which led to me pulling the "compilation" off the shelf, during which dangerous activity a whole pile of remaining (and last of the line) of Ham Radio magazines fell on my head.

So I dragged all this paper inside from the shed (to add to my already overloaded collection) & started looking through all the stuff. And remembering working at Drake, building & blowing up different doodads & thingies. How about these 'ns? The "Simple Receivers from Complex ICs" in Nov '68 about the NE602 &c. Or the advert on pg 57 for the "President HR2510" what looks a lot like the Ranger VHF & 15 & 10m radios you can buy today. With the "Roger beep" function on the front panel.

And I didn't realize that I had that many QQs, either. Just lookin' through 'em makes me wish I'd built more junk. After all, 14 radios need more radios to keep 'em company. Like K70WJ's transceiver in the Jul/Oct '86 QQ (pg 6-10). By the time I got to the bottom of the stack (Oct '01), I began to get some sense of how long I've been hangin' around with you crazy people. As in: Remember the "Twofer"?

So let's see . . . It's five months to Dayton & next week me & Frank

WD8NBK & me is gonna replace the trannies in my CCI amp, I found some hardware to add another 8 ft or so to the mast what holds up the antenna what ain't blown down yet & at least it's past the solstice so the days will start getting longer again, though not necessarily warmer. Hmmm . . .

Let's see what happens when I push F9 again . . .

73

Nils

. . . I even found a NorCal 38 Special with all its parts -- well, the ones that worked -- still stuck to the board . . .

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes Sonrientes

W8IJN -- <http://www.geocities.com/nilsbull/w8ijn>

"In MY day we FIGHT to have earphones! Every DAY was STRUGGLE!"

-- Comrade Nikolai Sergeievich McTovarishov, 19

Oct 1917

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<http://dl.www.juno.com/get/web/>.

Date: Sun, 16 Dec 2001 14:16:25 -0600

From: "Jimmy" <ke4bf@hiwaay.net>

To: <qrp-1@Lehigh.EDU>

Subject: [115045] Delaware on HF now!

Message-ID: <006101c1866e\$8a35f100\$6150b4d8@brenda>

For those of you needing Delaware, KB3FEE is on 28.650 at 20:17Z

de (Jim KE4BF)

FP# 375, ARCI 8916, Norcal 1296,

Date: Sun, 16 Dec 2001 15:15:39 -0500

From: David Gilson <kd3em@velocity.net>

To: ve7mst@goldcity.net

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [115046] Re: OT - Sorry but I NEED HELP

Message-ID: <3C1D00EB.50D42529@velocity.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Try www.nteinc.com..... The 2SC763 crosses to a NTE 107. I hope that this helps.

de Dave KD3EM

ARCI 8126
FISTS 8460

Mike Standbridge wrote:

> Hello To The List,
> I have a problem with my Icom 745. A 2SC763 transistor has given up the
> ghost and I need a replacement. I am not able to find one locally and I
> wonder if anyone knows where I can get one ?
> Thanks in advance es 72 de VE7MST
>
> Mike

Date: Sun, 16 Dec 2001 15:30:23 -0500
From: "Vincent A. Santis" <vsantis@javanet.com>
To: "QRP-L (E-mail)" <QRP-L@Lehigh.edu>
Subject: [115047] K-1 Tuning knob
Message-ID: <01C18646.ACADF980.vsantis@javanet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

HI,

I've just started to use my K-1 which was built for me by a kind sou since I'm legally blind. I'm wonderig if anyone knows if it is possible to create some drag on the main tuning knob, which is extremly loose and freewhieeling. If I inadvertanrly touch while preeing a button it shifts frequency on me.

Thanks,

Vince Santis, N1VS
NEQRP #598
QRP-L #2372
Winsted, CT

Date: Sun, 16 Dec 2001 14:41:44 -0600
From: <jfox6@houston.rr.com>
To: "QRP" <qrp-1@lehigh.edu>
Subject: [115048] Interference???
Message-ID: <000b01c18672\$135adc40\$9902a8c0@houston.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have noticed that there is some sort of cw signals on many bands that sound like a code of some sort, but jagged sending and not Morse. Can anyone enlighten me as to what this mess is? I am picking up this sort of signals all over the six meter ssb portion of the band.

73,

Foxy
jfox6@houston.rr.com
<http://www.qsl.net/w5hir>

Date: Sun, 16 Dec 2001 20:50:19 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [115049] Re: Making PCBs at home
Message-ID: <F213pM2yq0X9k0S6yDC00005a31@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I've tried all the other techniques people have mentioned, apart from plotting directly onto the copper. I get *much* better results with the standard photoresist technique. It's doesn't take much longer than the toner transfer methods, and is a lot more reliable. For me, at any rate.

I tried using a plotter once for 2:1 artwork, it seemed to take forever.

A long time ago I used to paint the pattern on by hand using a fine paintbrush and cellulose paint. I even made some quite complex double-sided boards this way.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com

My web page: http://www.geocities.com/leon_heller

My low-cost Altera Flex design kit: <http://www.leonheller.com>

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>.

Date: Sun, 16 Dec 2001 14:38:05 -0500

From: Steven Weber <kd1jv@moose.ncia.net>

To: qrp-l@lehigh.edu

Subject: [115050] Re: Making PCBs at home

Message-ID: <3.0.6.32.20011216143805.0079a780@mailhost.ncia.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

>What ever happened to good 'ol Sharpies and some etchant in the cut-off

>bottom of a milk jug? :^D

>

That's fine for simple and rather crude looking boards, but if you want to make complex circuits, possibly with SMT parts and a have a professional looking board, using a PCB CAD layout program and laser printer is the only way to go. I prefer the direct toner transfer method, as it involves less steps and I've never had real good luck with the photo resist process.

72,

Steve, KD1JV

"Melt Solder"

White Mountians of New Hampshire

<http://www.qsl.net/kd1jv/>

Date: Sun, 16 Dec 2001 15:14:14 -0600

From: John Seboldt K0JD <k0jd-l@seboldt.net>

To: qrp-l@Lehigh.EDU

Subject: [115051] Re: Making PCBs at home

Message-ID: <5.1.0.14.0.20011216150714.00a02ec0@mail.seboldt.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 12:44 PM 12/16/01 -0600, you wrote:

>2. Cut the copper laminate to size, clean the copper with an abrasive block
>and spray with Electrolube PRP photo-resist. It's a positive process resist
>in an aerosol can. A thin even coat is best. Dry in a warm oven for a few
>minutes.

There's a new one for me. The various photoresist sprays are a bit hard to find, but worth it for a ham (like me) with a big existing stock of PC board stock.

There's a GC positive photoresist (aerosol), available from various sources, then also Datak ER-71 negative resist spray (pump spray), which I found at the Electronix Express site <http://www.elexp.com/>

and Injectorall positive resist liquid PC197, available at Ack Supply, <http://www.acksupply.com> .

Others?

John K0JD

Date: Sun, 16 Dec 2001 15:08:36 -0600
From: John Seboldt K0JD <k0jd-1@seboldt.net>
To: qrp-1@Lehigh.EDU
Subject: [115052] Re: Subscribing, unsubscribing, and email in general
Message-ID: <5.1.0.14.0.20011216150826.009d1880@mail.seboldt.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 12:38 PM 12/15/01 -0500, you wrote:

>You can avoid a lot of this hassle by using one of the email redirectors and
>only using the redirected address.

>

>You can get redirection for free or almost for free from bigfoot.com,
>mail.com, and a few others. If you are a ham, you can get free email

Or get your own domain name! You can start by having mail/web hits forwarded to your current site, then later pay a hosting service.

www.namesecure.com is one name among many, but I've used it for basic domain registration/forwarding.

John Seboldt
k0jd@seboldt.net

www.seboldt.net
(see?)

Date: Sun, 16 Dec 2001 14:13:42 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: <vsantis@javanet.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115053] Re: K-1 Tuning knob
Message-ID: <002e01c18676\$8aa7f310\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Vince,

I solved that problem on my K1 by placing a thick felt washer behind the knob. I made the washer by layering several pieces of thin felt sheets sold for making furniture pads. Sheet of felt for this purpose can be found at hardware, and woodworking stores.

GL

Happy Holidays
73, Rod N0RC
Ft Collins, CO

----- Original Message -----
From: "Vincent A. Santis" <vsantis@javanet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, December 16, 2001 1:30 PM
Subject: K-1 Tuning knob

> HI,
>
> I've just started to use my K-1 which was built for me by a kind sou
since
> I'm legally blindl. I'm winderig if anyone knows if it is possible
to
> create some drag on the main tuning knob, which is extremly loose
and
> freewhieeling. If I inadvertanrly touch while preesing a button it
shifts

Date: Sun, 16 Dec 2001 16:24:44 -0500
From: "ZOOM" <kandrparker@sympatico.ca>
To: <vsantis@javanet.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115054] Re: K-1 Tuning knob
Message-ID: <001d01c18678\$1e27b200\$99a4fea9@RobertParker>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yes Vince you can get a rubber washer from a hardware store and put it in behind the Knob. Depending on how thick there are you may need two. That will provide some drag.

Regards,
Robert
VE3RPF

----- Original Message -----
From: Vincent A. Santis <vsantis@javanet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Sunday, December 16, 2001 3:30 PM
Subject: K-1 Tuning knob

> HI,
>
> I've just started to use my K-1 which was built for me by a kind sou since
> I'm legally blind. I'm wonderig if anyone knows if it is possible to
> create some drag on the main tuning knob, which is extremly loose and
> freewhieeling. If I inadvertanrly touch while preesing a button it shifts
> frequency on me.
> Thanks,
>
> Vince Santis, N1VS
> NEQRP #598
> QRP-L #2372
> Winsted, CT
>

Date: Sun, 16 Dec 2001 14:28:34 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: <k0jd-1@seboldt.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115055] Re: Subscribing, unsubscribing, and email in general
Message-ID: <004f01c18678\$9e71cc20\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

John,

----- Original Message -----

From: "John Seboldt K0JD" <k0jd-1@seboldt.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, December 16, 2001 2:08 PM
Subject: Re: Subscribing, unsubscribing, and email in general

..
> Or get your own domain name! You can start by having mail/web hits
> forwarded to your current site, then later pay a hosting service.
>
> www.namesecure.com is one name among many, but I've used it for
basic
> domain registration/forwarding.

That's what I did! Works great. Check www.dotster.com when shopping
for a domain name. Dotster offers domain registration for about \$15! I
added email from USA.MAIL for \$30/year. USA offer web and pop3 access.

For a super quality approach consider domain hosting from tlchost.net.
Excellent pricing, service, mail, web hosting.... I have
radioactivehams.com hosted there. BTW tlchost.net is owned/operated by
one of our own, a ham and a QRPer, K3HRN!!!

Happy Holidays
73, Rod N0RC
Ft Collins, CO

Date: Sun, 16 Dec 2001 15:30:26 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: <kd1jv@moose.ncia.net>,

"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115056] Re: Making PCBs at home
Message-ID: <003801c18678\$e2d39880\$8e11a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've made plenty with the sharpie and I'll say that mine don't look crude,
but pretty neat actually (tooting my own horn here) :^D

Anyone ever try those sticker deals?

72/73/oo
Rob, kc0bom
ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPP-I #19

Visit my website! <http://www.qsl.net/kc0bom/hamradio>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

----- Original Message -----
From: Steven Weber <kd1jv@moose.ncia.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Sunday, December 16, 2001 1:38 PM
Subject: Re: Making PCBs at home

>What ever happened to good 'ol Sharpies and some etchant in the cut-off
>bottom of a milk jug? :^D
>

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way to go. I prefer the direct toner transfer method, as it involves less
steps and I've never had real good luck with the photo resist process.

72,
Steve, KD1JV
"Melt Solder"
White Mountians of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Sun, 16 Dec 2001 16:23:21 -0500
From: "AI2Q Alex" <ai2q@adelphia.net>
To: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [115057] Needed: some DCC wire
Message-ID: <000001c18677\$e43519c0\$6401a8c0@alex>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Does anyone on the list have any #24-gauge or #26-gauge double cotton covered (DCC) wire they can spare? I need a small amount in order to complete a replica coil for an old Atwater Kent Model 10C radio I'm working on.

Thanks!

-- Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

Date: Sun, 16 Dec 2001 15:35:44 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115058] NTE238
Message-ID: <005a01c18679\$9f65d3a0\$8e11a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've got a transistor I yanked out of a TV recently that I've identified as a NTE238. It's a high-voltage horizontal sync dealie (something like that). Any uses for it in the QRP area?

72/73/oo

Rob, kc0bom

ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

Visit my website! <http://www.qsl.net/kc0bom/hamradio>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

Date: Sun, 16 Dec 2001 16:37:22 EST
From: N2PTW@cs.com
To: qrp-1@lehigh.edu
Subject: [115059] re: FS K2 etc..more
Message-ID: <f3.1345f63d.294e6e12@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Thank You for all the responses to my sale of a K2. The K2 is sold to DOC from North Dakota . The following are added to my for sale list they may be of interest to QRPer's.

Micronta (Radio Shack) 12volt 3 amp power supply..very nice condx.
\$17.00 and I will pay the shipping.

A&A engineering Smart Charger for Gell cells etc. Very nice
\$40.00
and will include a gell battery and ship.

Nor CAL BLT tuner , never built in box as recieved.... shipped price
\$25.00

Small Wonder SW-40+ 40 meter kit transciever as new in
bag.....\$37.00
I will pay shipping.

E.F. Johnson Variable capacitors 12-202 mmf new in the boxes
there are two of these model # 167-12-1 shipped for
\$20.00

Thanksmore building supplies later Joyce N2PTW

Date: Sun, 16 Dec 2001 16:37:35 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115060] Re: NTE238
Message-ID: <3C1D141E.1FAAF70A@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yo JimBob...

TV's dont stand a chance around your place do they?

Paul K4FB

Rob Matherly wrote:

> I've got a transistor I yanked out of a TV recently

Date: Sun, 16 Dec 2001 16:23:42 -0600
From: "Jimmy" <ke4bf@hiwaay.net>
To: "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [115061] Delaware on 28.540 at 2225z
Message-ID: <006b01c18680\$529c5ec0\$5b50b4d8@brenda>

KE3FEE has moved to 28.540 at 2225Z

de JIM
(Jim KE4BF)
FP# 375, ARCI 8916, Norcal 1296,

Date: Sun, 16 Dec 2001 17:19:31 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: <pwomble1@tampabay.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115062] Re: NTE238
Message-ID: <006b01c18688\$20d9bf60\$8e11a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Once they goof, they're scrapped! :^)

72/73/oo

Rob, kc0bom

ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

Visit my website! <http://www.qsl.net/kc0bom/hamradio>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

----- Original Message -----

From: Paul Womble <pwomble1@tampabay.rr.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Sunday, December 16, 2001 3:37 PM

Subject: Re: NTE238

Yo JimBob...

TV's dont stand a chance around your place do they?

Paul K4FB

Rob Matherly wrote:

> I've got a transistor I yanked out of a TV recently

Date: Sun, 16 Dec 2001 17:29:49 -0600

From: Bob Liesenfeld <wb0poq@visi.com>

To: unlisted-recipients;; (no To-header on input)

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [115063] Re: NTE238

Message-ID: <3C1D2E6D.BBEDF573@visi.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

>

> > I've got a transistor I yanked out of a TV recently

Looks like an NTE238 is a HV low frequency switching xistor. Not much good at HF but might be ok for audio, or cathode keying that 4CX1000 with 5KV on the plate. :)

Bob WB0POQ

Date: Sun, 16 Dec 2001 17:37:04 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: <wb0poq@visi.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115064] Re: NTE238
Message-ID: <00aa01c1868a\$94476400\$8e11a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well I was thinking about trying to find some old TV station transmitter tubes... :^) Make a real overkill qrp rig with one of those!!!!!! :^D

72/73/oo
Rob, kc0bom
ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

Visit my website! <http://www.qsl.net/kc0bom/hamradio>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

----- Original Message -----
From: Bob Liesenfeld <wb0poq@visi.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Sunday, December 16, 2001 5:29 PM
Subject: Re: NTE238

>
> > I've got a transistor I yanked out of a TV recently

Looks like an NTE238 is a HV low frequency switching xistor. Not much good at HF but might be ok for audio, or cathode keying that 4CX1000 with 5KV on the plate. :)

Bob WB0POQ

Date: Sun, 16 Dec 2001 17:59:06 -0600

From: Dave Sjolin <sjolin@swbell.net>
To: Qrp-l Reflector <qrp-l@Lehigh.EDU>
Subject: [115065] FOX: N0IT YOUR CUB FOX 12/18 ... HAVE AT HIM
Message-ID: <3C1D3549.4D32537@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Calling all hounds... Calling all hounds...

N0IT from near St. Louis, MO, the center of the US, will be your Cub Fox Tuesday night, 12/18, starting at 8:00PM CST (0200Z 12/19 GMT), 9:00PM EST, 7:00PM MST, 6:00PM PST). Look for me around 7.055 MHz (+/- QRM), and will be working up 300-700 hz at the start of the evening's festivities.

My exchange will resemble the following:

K5DI 559 MO DAVE 5W K5DI <BK>

If I copy your info OK, I'll send "TU" or "TU DE N0IT FOX", depending on how big the pile is. If I need a fill, I'll send RPT/SPC/NAME/PWR ? <BK>, or "K5DI AGN? <BK>" if I missed the whole shebang. PLEASE NOTE: The *ONLY* time I'll be sending anything with "?" is if I'm asking for a fill. PLEASE DON'T ALL JUMP IN AT ONCE IF I SEND "K5?". :-)

I'm going to do my level best to thin the pile early. If you don't have RIT or are not equipped to work split, try to spot yourself on the high side of my TX as far as you can, and still be able to copy me. I won't work any closer to my TX frequency than about 300 hz until I can thin out the pack. If you can't spot yourself that far away, please be patient, and let me clear the pile. When things die down, I *will* work closer to my TX freq, traffic permitting, as I want to give everyone a chance at a pelt. Sit back and listen for me to start working closer to my TX freq. If things slow to a crawl later in the hunt, and I'm calling CQ FOX to drum up business, I'll take you wherever you are, but if business picks up, I'll start working up 300 hz or higher again.

I'll be running 5W to a Butternut HF-2V vertical from a Kenwood TS-940S I'll be sending around 10-15 WPM, but will be happy to slow down for anyone that needs me to. Just call at a speed you're comfortable with, and I'll do my best to match it.

So, come one, come all, and get yourself a nice fox pelt to keep yourself warm on a cold winter night! :-)

72/73,

Dave, N0IT

End of QRP-L Digest 2407
